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UNIVERSITY OF ILLINOIS

CATALOGUE

BUTLER COLLEGE

1907-1908

Announcements for 1908-1909

INDIANAPOLIS, INDIANA



THE
ANNUAL CATALOGUE
OF
BUTLER COLLEGE

FOR THE FIFTY-THIRD SESSION

1907-1908

WITH ANNOUNCEMENTS FOR 1908-1909

INDIANAPOLIS, IND.

SCHOOLS ASSOCIATED WITH BUTLER COLLEGE IN THE UNIVERSITY OF INDIANAPOLIS.

Indiana Law School.

JAMES A. ROHBACH, A. M., LL. B., Dean.

As a location for a law school Indianapolis has no superior. All the courts of the State and also United States Circuit and District Courts are in almost continuous session here during the school year, and the student has opportunities to watch the progress of all sorts of litigation in courts of all grades. For catalogue and further information, address the Dean, 1117 Law Building, Indianapolis.

Indiana Dental College.

GEORGE EDWIN HUNT, M. D., D. D. S., Dean.

The college occupies its own building, which was erected for the purpose, on the southwest corner of Ohio and Delaware streets, centrally located and easily accessible from all parts of the city. The growth of the college has been steady and sure, indicating its worth as an educational institution. For catalogue address Indiana Dental College, Indianapolis.

COLLEGE CALENDAR

SUMMER TERM, 1908

June 22.....Monday.....Registration.
June 23.....Tuesday.....Instruction Begins.
July 4SaturdayHoliday.
July 31, Aug. 1..Fri., Sat....Examinations and Close of Summer Term.

FALL TERM, 1908

Sept. 22.....Tuesday.....Registration and Assignment of Work.
Sept. 23.....Wednesday....Instruction Begins.
Oct. 14.....Wednesday,.. Quarterly Meeting Board of Directors.
Nov. 26-28....Thurs.-Sat.... Thanksgiving Vacation.
Dec. 4.....Friday..... Primary Oratorical Contest.
Dec. 8, 9....Tues., Wed ...Registration for Winter Term.
Dec. 17-19....Thurs.-Sat....Term Examinations and Close of Fall Term.

WINTER TERM, 1909

Jan. 4.....Monday.....Registration and Assignment of Work.
Jan. 5.....Tuesday.....Instruction Begins.
Jan. 13.....Wednesday....Quarterly Meeting Board of Directors.
Feb. 7..... Sunday..... Founder's Day.
March 16, 17.Tues., WedRegistration for Spring Term.
March 25-27..Thurs.-Sat.....Term Examinations and Close of Winter Term.

SPRING TERM, 1909

April 1.....Thursday.....Registration and Assignment of Work.
April 2.....Friday..... Instruction Begins.
April 14....Wednesday.... Quarterly Meeting Board of Directors.
June 12, 14, 15..Sat., Mon., Tue..Term Examinations.
June 13.....Sunday.....Baccalaureate Sermon.
June 15.....Tuesday.....President's Reception.
June 16.....Wednesday....Alumni Reunion and Class Day Exercises.
June 17.....Thursday.....Fifty-fourth Annual Commencement.

BUTLER COLLEGE

BOARD OF DIRECTORS.

ALEMBERT W. BRAYTON.....	Indianapolis
URBAN C. BREWER.....	Hall
HILTON U. BROWN.....	Indianapolis
SCOT BUTLER.....	Indianapolis
PERRY H. CLIFFORD.....	Indianapolis
FRED C. GARDNER.....	Indianapolis
THOMAS C. HOWE.....	Indianapolis
JOSEPH I. IRWIN.....	Columbus
HENRY JAMESON.....	Indianapolis
PATRICK H. JAMESON.....	Indianapolis
JOHN M. JUDAH.....	Indianapolis
F. ROLLIN KAUTZ.....	Indianapolis
THOMAS H. KUHN.....	Richmond
THOMAS B. LAYCOCK.....	Indianapolis
WINFIELD S. MOFFETT.....	Indianapolis
CHARLES W. MOORES.....	Indianapolis
LOUIS J. MORGAN.....	Indianapolis
WILLIAM MULLENDORE.....	Franklin
ALLAN B. PHILPUTT.....	Indianapolis
MARSHALL T. REEVES.....	Columbus
ZACH. T. SWEENEY.....	Columbus

Officers of the Board of Directors.

HILTON U. BROWN.....	President
FRED C. GARDNER.....	Treasurer
CHAUNCY BUTLER.....	Secretary

Standing Committees.

Executive Committee.

Chairmen of the Standing Committees, as follows:

HILTON U. BROWN, ex officio, SCOT BUTLER, DR. P. H. JAMESON,
THOMAS C. HOWE, LOUIS J. MORGAN, ALLAN B. PHILPUTT,
CHARLES W. MOORES, W. S. MOFFETT, JOSEPH I. IRWIN, F. R.
KAUTZ.

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COMMITTEES.

Finance and Auditing.

DR. P. H. JAMESON, FRED C. GARDNER, W. S. MOFFETT,
HILTON U. BROWN, ex officio.

Building, Grounds and Real Estate.

THOMAS C. HOWE, W. S. MOFFETT, FRED C. GARDNER.

Library, Apparatus and Cabinets.

CHARLES W. MOORES, PERRY H. CLIFFORD, F. R. KAUTZ.

Instructors, Salaries and Condition of Schools.

THOMAS C. HOWE, Chairman ex officio,
ALLAN B. PHILPUTT, Vice-Chairman.
DR. A. W. BRAYTON, F. R. KAUTZ, ZACH. T. SWEENEY,
HILTON U. BROWN, ex officio.

Affiliations and Relations with Educational and Religious Interests.

F. R. KAUTZ,	SCOT BUTLER,	DR. HENRY JAMESON,
T. B. LAYCOCK,		T. H. KUHN.

Judiciary and Claims.

WINFIELD S. MOFFETT, JOHN M. JUDAH, LOUIS J. MORGAN.

College Residence.

LOUIS J. MORGAN, URBAN C. BREWER, WILLIAM MULLENDORE,
SCOT BUTLER.

Endowment.

JOSEPH I. IRWIN, MARSHALL T. REEVES, T. B. LAYCOCK,
DR. HENRY JAMESON, WILLIAM MULLENDORE,
THOMAS C. HOWE, *ex officio*.

BUTLER COLLEGE

FACULTY.

THOMAS CARR HOWE, A. M., Ph. D., President, and Armstrong Professor of Germanic Languages. (48 South Audubon Road.)

Ph. B., Butler College, 1889; A. M., *ibid.*, 1893; Student, University of Berlin, 1890-'92; Graduate Student, Harvard University, 1896-'99; A. M., *ibid.*, 1897; Ph. D., *ibid.*, 1899; Instructor in German, *ibid.*, 1898-'99; Instructor in German and Latin, Butler College, 1889-'90; Armstrong Professor Germanic Languages, *ibid.*, 1890-—; Dean, Butler College, 1907-'08; President Butler College, 1908-—.

ALLEN RICHARDSON BENTON, A. M., LL. D., Professor of Philosophy, Emeritus.

A. B., Bethany College, 1848; A. M., *ibid.*, 1849; Professor of Latin and Greek, Northwestern Christian University, 1855-'61; President Northwestern Christian University, 1861-'68; President Alliance College, 1869-'71; LL. D., Butler College, 1871; Chancellor University of Nebraska, 1871-'76; Professor of Philosophy, Butler College, 1876-'96; President Butler College, 1886-'91.

SCOT BUTLER, A. M., LL. D., Professor of Latin Language and Literature, Emeritus. (124 Downey Avenue.)

A. B., Northwestern Christian University, 1868; A. M., *ibid.*, 1870; Student Classical Philology, University of Halle, and University of Berlin, 1873-'75; LL. D., Butler College, 1896; Instructor in Latin and Mathematics, Indiana University, 1869-'72; Professor of Latin, Butler College, 1871-1907; President Butler College, 1891-1904; 1906-'07.

HENRY LANE BRUNER, A. B., Ph. D., Professor of Biology and Geology. (360 South Ritter Avenue.)

A. B., Abingdon College, 1880; Student Sheffield Scientific School, Yale College, 1880-'81; Assistant in Marine Investigations of U. S. Commission of Fish and Fisheries, 1881-'84; Student of Comparative Anatomy, University of Freiberg, Baden, 1895-'97; Ph. D., *ibid.*, 1896; Professor Natural Sciences, Abingdon College, 1881-'84; Professor Natural Sciences, Eureka College, 1884-86; Professor Biology and Geology, Drake University, 1891-'92; *idem*, Butler College, 1892-—.

*JACOB DORSEY FORREST, A. M., Ph. D., Professor of Sociology and Economics. (30 Audubon Place.)

A. B., Hiram College, 1892; A. M., *ibid.*, 1892; Graduate Student in Political Science, Ohio State University, 1893-'94; Graduate Student in Sociology, Political Economy and Ethics, The University of Chicago, 1894-'95; Fellow in Sociology, *ibid.*, 1895-'97; Ph. D., *ibid.*, 1900; University Extension Lecturer Sociology, *ibid.*, 1896-'99; Professor of Sociology and Economics, Butler College, 1897-—.

*On leave of absence during 1908-'09.

FACULTY.

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JABEZ HALL, A. M., Professor of Homiletics and Theology (28 South Irvington Avenue.)

A. B., Bethany College, 1865; A. M., Butler College, 1898; Pastor Christian Church, Wheeling, W. Va., 1866-'72; Cleveland, Ohio, 1872-'89; Richmond, Va., 1889-'97; Professor of Homiletics and Theology, Butler College, 1897-—.

CHRISTOPHER BUSH COLEMAN, A. B., B. D., Professor of Church History and Acting Professor of History. (33 Downey Avenue.)

A. B., Yale University, 1896; Auburn Theological Seminary, 1896-'97; Chicago Theological Seminary, 1897-'98; Divinity School, The University of Chicago, 1898-'99; B. D., *ibid.*, 1899; Student, University of Berlin, 1904-'05; Professor of Church History and Acting Professor of History, Butler College, 1900-—.

ARTHUR KENYON ROGERS, A. B., Ph. D., Professor of Philosophy and Education. (73 Hawthorne Lane.)

A. B., Colby College, 1891; Graduate Student, Johns Hopkins University, 1891-'92; Honorary Fellow, University of Chicago, 1892-'93; Instructor, Chicago Academy, 1893-'94; Graduate Student, Hartford School of Sociology, 1894-'95; Assistant Superintendent, Charity Organization Society, Hartford, Ct., 1895-'96; Fellow in Philosophy, The University of Chicago, 1896-'98; Ph. D., *ibid.*, 1898; Instructor in Philosophy and Pedagogy, Alfred University, 1899-1900; Acting Professor of Philosophy and Education, Butler College, 1900-'01; Professor of Philosophy and Education, *ibid.*, 1901-—.

ELIJAH NEWTON JOHNSON, A. M., M. S., Acting Professor of Mathematics. (304 Downey Avenue.)

A. B., Drake University, 1893; A. M., *ibid.*, 1895; M. S., University of Kansas, 1904; Professor of Mathematics, Campbell University, 1893-1903; Graduate Student in Mathematics and Astronomy, The University of Chicago, 1902-'03; Graduate Student in Mathematics and Physics, University of Kansas, 1903-'04; Graduate Student in Mathematics and Astronomy, The University of Chicago, 1905; Acting Professor of Mathematics, Butler College, 1904-—.

*RICHARD BISHOP MOORE, B. S., Professor of Chemistry.

Student, University College, London, 1886-'90; Instructor in Chemistry, Oswestry High School (England), 1890-'91; Instructor in Chemistry, Birbeck Institute (London), 1891-'93; British Museum, 1893-'95; The University of Chicago, 1896-'97; B. S., *ibid.*, 1896; Instructor in Chemistry, University of Missouri, 1897-1905; Professor of Chemistry, Butler College, 1905-—.

*In Europe on leave of absence during session 1907-'08.

JOHN SAMUEL KENYON, A. M., Demia Butler Professor of English Literature. (70 Layman Avenue.)

A. B., Hiram College, 1898; A. M., The University of Chicago, 1903; Fellow in English, *ibid.*, 1903-'04; University Scholar, Harvard University, 1905-'06; Thayer Scholar, *ibid.*, 1906-'07; Teacher in public schools, Medina, O., 1892-'93; Teacher of Greek, Latin and English, West Kentucky College, 1898-'99; Professor of Greek and Hebrew, Christian University, Canton, Mo., 1899-1901; Assistant in English, Harvard University, 1905-'06; Professor of English, Butler College, 1906-—.

ERNEST TROWBRIDGE PAINE, A. M., Acting Professor of Latin Language and Literature. (29 Hawthorne Lane.)

A. B., Brown University, 1901; A. M., *ibid.*, 1903; Instructor in Latin, Brown University, 1902-'04; Student, American School of Classical Studies, Rome, and American School of Archaeology, Athens, 1904-'05; Instructor in Greek, Brown University, 1905-'06; Acting Professor of Greek Language and Literature, Butler College, 1906-'07; Acting Professor of Latin Language and Literature, 1907-—.

JOSEPH KARL RUDOLF EGGER, A. M., Assistant Professor of German and Spanish. (5812 Julian Avenue.)

Graduate, Royal Seminary, Lauingen, Bavaria (Germany), 1883; Public Schools of Hesse and Bavaria, 1883-'89; State Certificate for Hesse, Darmstadt, 1885; State Certificate for Bavaria, Augsburg, 1887; Instructor in German, High Schools, Colorado, 1896-1904; A. B., University of Denver, 1904; A. M., *ibid.*, 1904; Graduate Student, University of Grenoble, France, 1904-'05; Graduate Student, Johns Hopkins University, 1905-'06; Graduate Student, The University of Chicago, 1907; Assistant Professor of German, Butler College, 1906-—; Assistant Professor of German and Spanish, Butler College, 1907-—.

KATHARINE MERRILL GRAYDON, A. M., Acting Professor of Greek, and Catharine Merrill Professor of English Literature. (303 Downey Avenue.)

A. B., Butler College, 1878; A. M., Indiana University, 1883; Instructor in Indiana University, 1883-'84; Graduate Student, Radcliffe, 1885-'86; Professor of Greek, Hastings College, 1888-'91; Instructor, Oakland High School, 1891-'98; Graduate Student, University of Chicago, 1898-'99; Professor of English, Oahu College, 1900-'07; Acting Professor of Greek, Butler College, 1907-—.

GUY HOWARD SHADINGER, Ph. B., Ph. D., Acting Professor of Chemistry.

Ph. B., Hamline University, 1900; Instructor in Science, Hutchinson, Minn., High School, 1900-'01; Instructor in Chemistry and Zoology, Red Wing, Minn., High School, 1901-'04; Graduate Student, Johns Hopkins University, 1904-'07; Ph. D., *ibid.*, 1907; Acting Professor of Chemistry, Butler College, 1907-'08.

HOWARD WOODHEAD, A. B., Ph. D., Acting Professor of Sociology and Economics.

A. B., The University of Chicago, 1900; Travel-study in Europe, 1900-'01; Graduate Student in Sociology and Economics, The University of Chicago, 1901-'03; Dresden Municipal Exposition, 1903; Student, University of Berlin, 1903-'04; Fellow in Sociology, The University of Chicago, 1904-'06; Ph. D., *ibid.*, 1907; Docent in Sociology, *ibid.*, 1907; Acting Professor of Sociology and Economics, Butler College, 1907- —.

CLARENCE FORSYTH, Professor of Music.

Stuttgart, 1882-'85; *ibid.*, 1887-'89; Berlin, 1894-'95; Paris, 1896.

CLARA FRANCES McINTYRE, A. B., Instructor in French.

A. B., Radcliffe, 1900; Instructor in English, Butler College, 1900-'03; Instructor in French, Butler College, 1903- —.

CORNELIA ADELLE ALLEN, A. M., Instructor in English. (30 Audubon Place.)

Ph. B., Hiram College, 1892; Graduate Student in English, Buchtel College, 1893-'94; Graduate Student in English, Philosophy and History, The University of Chicago, 1894-'96; A. M., Hiram College, 1897; Teacher in Akron, O., Public Schools, 1892-'93; Instructor in English and History, Lockland, O., High School, 1897-1900; Principal, *ibid.*, 1900-'01; Instructor in English and History, Butler College, 1901-'07; Instructor in English, Butler College, 1907- —.

THOMAS ALLAN SIMS, A. B., LL. B., Instructor in Public Speaking.

A. B., University of Michigan, 1904; LL. B., *ibid.*, 1906.

SADIE MAY KRAUS, A. B., Instructor in English.

A. B., Butler College, 1907.

FRANCES ELIZABETH DOAN, A. B., Instructor in Latin and Mathematics.

A. B., Butler College, 1907.

PEARL LEEDY, Instructor on Piano.

PAUL JEFFRIES, A. B., Instructor in Singing.

Metropolitan School of Music, 1899-'02; Pupil F. X. Arens, 1897-'99, 1903; A. B., Butler College, 1903.

JOHN McKAY, B. S., Director of Physical Training.

B. S., Westminster College, 1907.

MRS. E. N. EDGINGTON, Head of College Residence.

MARGARET CARLISLE, Librarian.

BUTLER COLLEGE.

Officers of the Faculty.

THOMAS C. HOWE.....	President
A. K. ROGERS.....	Registrar and Secretary
R. B. MOORE.....	Examiner
C. B. COLEMAN.....	Adviser

Faculty Committees.

Graduate Studies.

C. B. COLEMAN,	JABEZ HALL,	A. K. ROGERS.
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Debate and Oratory.

J. S. KENYON,	H. L. WOODHEAD,	THOMAS A. SIMS.
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College Paper.

A. K. ROGERS,	H. L. BRUNER,	J. K. EGGER.
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Athletics.

C. B. COLEMAN,	R. B. MOORE,	JOHN MCKAY.
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Class Standing.

R. B. MOORE,	E. N. JOHNSON.
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Chapel Exercises and Religious Associations.

J. S. KENYON,	C. B. COLEMAN,	MISS CORNELIA ALLEN.
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HISTORICAL SKETCH

Butler College operates under a special charter granted by the Indiana Legislature in 1849. This charter is ample for university purposes, as will be seen from the following clause defining the purposes and scope of the institution:

“The objects and purposes contemplated by this act of incorporation are hereby declared to be, to establish, found and build up, maintain, sustain and perpetuate at or in the vicinity of Indianapolis, in the State of Indiana, an institution of learning of the highest class, for the education of the youth of all parts of the United States, and especially the States of the Northwest; to establish in said institution departments or colleges for the instruction of the students in every branch of liberal and professional education; to educate and prepare suitable teachers for the common schools of the country; to teach and inculcate the Christian faith and Christian morality as taught in the Sacred Scriptures, discarding as uninspired and without authority all writings, formulas, creeds and articles of faith subsequent thereto; and for the promotion of the sciences and arts.”

This charter went into effect January 15, 1850. Funds were subscribed by members of the Christian churches and citizens of Indiana, and the College opened its doors November 1, 1855, in the old Northwestern Christian University buildings in what is now College avenue, the City of Indianapolis. The College of Liberal Arts, opened at that time, has had an uninterrupted existence, and from time to time the institution, either through affiliation or by act of its own directors, has conducted professional schools and carried on university work. At the present time the directors have thought best to concentrate their efforts on the School of Liberal Arts, and at the same time, by husbanding resources and collecting additional funds, to prepare to add departments, as circumstances might warrant.

The general control of the institution's affairs is vested in a Board of twenty-one directors. In 1873 the Board determined

to remove to Irvington, and in 1875 instruction of the College classes was begun in the new location. This removal was prompted in part by financial considerations, for the real estate belonging to the University, having been included within the city limits, had greatly appreciated, and the corporation by putting it on the market as city lots, was able to increase its financial resources. It was felt, too, that a suburb, withdrawn somewhat from the distractions of the city, and yet enjoying all the advantages of the capital city, would afford a more desirable place of residence for students.

The name of the institution was changed from Northwestern Christian University to Butler University, February 28, 1877, in recognition of the benefactions of Ovid Butler. This change did not affect any chartered obligations of the corporation in respect to the property or graduates, or its purposes, all of which have been determined by a legislative act and the recorded resolutions of the Board of Directors.

By resolution of the Board of Directors April 8, 1896, the name "Butler College" was adopted in lieu of "Butler University," to designate the undergraduate academic department, which is the only part of the comprehensive plan outlined in the charter that has as yet been realized. The legal name of the corporation, however, remains unchanged.

Present Financial Condition. Another forward step has recently been taken by the Board of Directors, who, realizing the increasing needs of the institution, have been able to secure an additional endowment of \$250,000. This is made possible through the generosity of Joseph I. Irwin, a director of the corporation, who offered \$100,000 provided a total of \$250,000 was secured. Andrew Carnegie offered the last \$25,000 necessary to secure this endowment. Marshall T. Reeves, a director, subscribed \$25,000, and Charles T. Whitsett gave property netting the College \$12,500 toward the fund, which was completed March 25, 1907, by an energetic effort made by the alumni, citizens of Indianapolis, students in attendance and other friends of the institution.

The directors propose to use all funds at their command to increase the efficiency of the courses of study offered, and to make such additions thereto as may be possible.

The property of the corporation is therefore in a very satisfactory shape. Its endowment has always been kept well invested, yielding an assured income. The affairs of the corporation are in the hands of a Board of Directors devoted to its interests, wise and conservative in all their views, and thorough and prudent in the administration of the trust committed to them. The demands made upon an institution of learning at the present day are greater than ever before. The College is yet insufficiently endowed to meet these demands, and it is hoped that the generous spirit which created and has hitherto sustained it will prompt further provision for its development.

Memorial Gifts. The Board of Directors would encourage gifts in the form of endowments of various chairs of instruction. The sum of \$25,000 will endow a professorship which will perpetually bear the name of the donor, or of the one in whose memory it is established. In this way the Jeremy Anderson Chair of Greek, the Demia Butler Chair of English Literature, and the Addison F. Armstrong Chair of Germanic Languages have been established and endowed. The English department has been enlarged and strengthened by the establishment of the Catharine Merrill chair. This gift to the College, made by grateful students and friends, is a memorial to the name it bears, and is to be devoted to the teaching of English literature. Smaller amounts can be devoted to equally useful purposes. Subscriptions of \$1,000 to \$5,000 can be devoted to the founding of scholarships for the benefit of deserving young people who stand in need of assistance, and of prizes for the reward and encouragement of the ambitious, or to library endowments for particular departments.

Affiliation with the University of Chicago. By mutual agreement, the affiliation between Butler College and the University of Chicago, which has existed since 1898, is to be dissolved in 1910. Meanwhile, only those students who had become eligible to the special privileges offered by the University by October,

1906, will be recommended for the degree of the latter institution on the completion of twelve weeks of resident work after receiving the degree of Butler College. The standards and methods of the College will remain the same, and its graduates will have the same standing in the graduate school of the University.

Training of Teachers. By action of the State Board of Education, Butler College has been "accredited" under the school laws of 1907 for all classes, A, B, C. Graduates of the College who elect courses in psychology and education are admitted to "Class C" of public school teachers without examination, and receive the highest minimum salary authorized by law.

Religious Influence. The purpose of the founders, expressed in their act of incorporation, was to establish an institution of learning which would "teach and inculcate the Christian faith and Christian morality as taught in the sacred Scriptures." A course of study in the English Bible is offered to all candidates for a degree. All students are required to attend the regular chapel exercises. The institution has always been religious in spirit; by the terms of its charter it must always be so.

STUDENT ACTIVITIES

Christian Associations. The Young Men's Christian Association and the Young Women's Christian Association are voluntary organizations of students and instructors for the promotion of religious culture and for Christian work in College. Their members are sincere and energetic, and always extend to new students a very cordial welcome. The two associations hold prayer meetings every week, thus greatly assisting in maintaining Christian zeal among the students. A committee from each of these associations is in attendance during the first week of the Fall term for the purpose of assisting those entering college with information in regard to rooms, etc., and in general to afford any assistance in their power, which students who are strangers in Irvington may feel inclined to seek from them. The Y. M. C. A. and the Y. W. C. A. unite in a social given at the beginning of each term, to which all students are invited. This affords opportunity for old students to welcome new, and for all to cultivate more intimate acquaintance. All students who are church members are eligible to active membership in these associations. Students not identified with any church may become associate members.

College Paper. A weekly paper, called "The Butler Collegian," is published in the interest of the students of Butler College, to give the College news and to reflect student opinion. It is edited by representatives of the various College classes. Students and graduates are cordially invited to contribute illustrations, articles, verses, letters and information.

Debates. In the Fall term, annually, a debate is held between representatives of the Freshman and Sophomore classes.

The College is joined with Wabash and Earlham Colleges in a Triangular Debating League. The purposes of the league are to foster the interests of debating and to discuss in public lead-

ing questions of the day. A question for debate is chosen early in the year by representatives of the three colleges. Each college trains an affirmative and a negative team. For the intercollegiate debate the negative team, in each instance, remains at home and debates with the affirmative team of a visiting college. Each of the three colleges is thus enabled to meet representatives of both the other colleges. The men who represent Butler College in the Triangular Debating League are chosen during the Fall term.

During the college year of 1907-'08, Butler College won both debates on Friday evening, March 13, 1908, upon the question, "Resolved, That the United States should subsidize her merchant marine," her affirmative team defeating Earlham at Richmond, by a unanimous decision, and her negative team defeating Wabash at Irvington by a two-to-one vote of the judges, thus holding the championship of the league for the current year. These debates will be continued during the year of 1908-'09.

**Oratorical
Contests.**

Seven colleges, of which this institution is one, compose the Indiana State Oratorical Association. The local association is composed of members of the College classes. The object of this association is to advance oratory by encouraging students to write and deliver orations. Preliminary contests are held annually to decide upon a representative for the State contests. Contestants are judged on thought, composition and delivery. Three judges on thought and composition are selected by the faculty, while the association elects three judges on delivery. The contestant receiving the highest average award by the judges represents the College at the State contest. The successful contestant in the State contest represents the State of Indiana in the Interstate contest, composed of ten Western States.

**Literary
Society.**

The Philokurian Literary Society, organized in 1876, holds weekly meetings in its hall at the College. Its membership was originally confined to young men, but later young women have also been admitted. The society is in a prosperous condition.

The Lotus Club. During the past year an association has been formed whose object is the bringing together socially of the young women in College, thus encouraging friendly intercourse among them. The club is governed by an executive board, elected at the end of each year. Meetings are held every two weeks, and the entertainment, which varies in form, being sometimes dramatic, sometimes literary, sometimes musical, is usually furnished by the members themselves. A room for the use of the club has been fitted up in the main College building.

The Sandwich Club. The young men of the College interested in religious work are associated in an organization styled as above. Social meetings are held fortnightly, when luncheon is served, business attended to, and a prepared program rendered. Prominent religious leaders are often present at these meetings to address students on the various phases of church work.

Der Deutsche Klub. This is an association of students who are interested in the study of German. It is open to any that have had as much as one year's work in that language. The club meets every two weeks, the professor of German attending as adviser and critic. The meetings are devoted to a literary program and the singing of German songs. The club subscribes to several German periodicals which are for the exclusive use of club members.

Athletics. Various forms of athletics common in colleges are carried on at Butler College under the supervision of a well-trained director. The purpose is to give proper physical training to as large a proportion as possible of the student body, to enliven the college life with wholesome recreation, and to develop those manly qualities which are brought out in a good game well and fairly played. Baseball, football, basketball and track teams are supported by the Athletic Association. There is a board of control composed of three members of the faculty and two students.

To give as many students as possible the enjoyment and ben-

efits of athletic contests, a number of teams are organized each season within the student body, and series of contests held in football, basketball, baseball, tennis and field sports.

Irwin field, adjoining the campus, affords facilities for all outdoor games.

Regular gymnastic work in the gymnasium is required of all students in the two lower classes, and is directed by a competent instructor. The campus is well equipped with tennis courts, to which students have access.

Intercollegiate Contests. No student is eligible to represent the College in any contest, (a) who is not carrying at least two major courses during the term in which such contest occurs; (b) who has failed to secure credits in all his courses during the preceding term (but this is not to exclude new students); or (c) who fails to do his work during the current term to the satisfaction of his instructors.

LOCATION AND BUILDINGS

Location. Indianapolis is not only the capital of the State, but its intellectual, literary, commercial and geographical center. Railroads radiating in every direction and the growing system of interurban electric cars make it the most easily accessible point in Indiana or any of the adjoining States. Indianapolis affords unique advantages as to location for a college. The best musical entertainments and the most noted lecturers are here brought within reach of the students. The College is located at Irvington, a pleasant and healthful residence suburb, reached by a twenty-minute ride on the East Washington street electric cars, which leave the center of the city every five minutes. Irvington is within the city limits of Indianapolis and is regarded as the most attractive place in the vicinity for suburban residence. Its population consists largely of those who have been drawn thither by educational inducements. This gives it a special character of cultivation and good order, while as a home for students it is singularly free from the temptations and dangers often surrounding college life. There are no drinking saloons in the vicinity.

Main College Building. The main college building is of brick, trimmed with stone, having a frontage of 135 feet and a depth of 75 feet, containing eighteen recitation rooms, besides the administrative offices, the College chapel, literary society and Y. M. C. A. halls, cloak and retiring rooms. It is heated throughout by steam, supplied with water and lighted by electricity, and in its internal finish and arrangements well suited to the purposes for which it was designed.

Burgess Hall. The Burgess Science Hall is three stories high, constructed of brick and trimmed with stone. It has a frontage of 100 feet and a depth of 75 feet. It contains six large recitation rooms, the museum hall, the Athenæum hall, and the chem-

ical, physical and biological laboratories. The architecture is modern and attractive, and all its appointments are well adapted to the uses for which the building was designed.

The museum contains abundant material for illustrating the sciences of Zoology, Mineralogy and Geology. Some of the materials have been obtained by purchase, some have been contributed by the friends of the institution and some by the National Museum, while a considerable portion has been collected by the professors who have occupied the chairs in this department. The museum contains the following collections:

1. A series of fossils and rocks illustrating the geology of the Mississippi Valley, especially that of Indiana and Ohio.
2. A collection of fresh water fishes of the United States, made principally by Drs. David Starr Jordan and O. P. Hay, when they were professors of Biology in Butler College.
3. A series of marine fishes from the United States National Museum.
4. Reptiles and amphibians of Indiana, collected by Dr. Hay and others.
5. A large collection of representative minerals.
6. Land, fresh water and marine shells, including about four thousand specimens.
7. A considerable number of aboriginal stone implements from the United States.
8. A collection of marine invertebrates, mainly from the New England coast, deposited by Professor Bruner.
9. Marine invertebrates from the Atlantic, Gulf and Pacific coasts, presented by the National Museum and the Fish Commission.

The biological laboratory is well equipped and has its own working library. Additions are being constantly made to the apparatus and equipment of these laboratories.

The chemical laboratories are conveniently arranged and supplied with water, gas, hoods, means of ventilation, and ample apparatus and chemicals.

The physical laboratory has a fair equipment for such experi-

mental work as falls within the scope of the courses offered in this department.

Bona Thompson Memorial Library. A library building equal in construction and equipment to any in the State was erected during the year 1903, by the liberality of the late Mr. and Mrs. E. C. Thompson, in memory of their daughter, Bona Thompson, who was a graduate of Butler in the class of 1897. The building is constructed of Bedford limestone and gray brick, and is of fireproof construction. It contains two commodious reading rooms, librarian's room and a seminar room. The book-stack room, fitted with steel stacks, has a capacity of 60,000 volumes. The College library at present contains about 12,000 volumes, chosen with special reference to the needs of students, in addition to extensive files of valuable government reports and documents. Every year there are added by purchase the latest and best works in the several departments. The encyclopedias, lexicons and other works of reference are numerous, and represent the best and most modern scholarship.

By a special arrangement with the Indianapolis City Library Board, a free daily delivery of books from the city library to the College library has been established, so that students now have free and convenient access to libraries aggregating not less than 110,000 volumes. In addition to this the State Library, containing 30,000 volumes and located in the State House, is open to students, who will find it valuable for special research.

The reading room receives regularly the best publications, weeklies, monthlies and quarterlies of this country and Europe. The advantages of the library and reading room are open alike to all classes of students in the College.

Astronomical Observatory. The astronomical observatory stands on the high ground in the northeast corner of the campus. In its construction are embodied whatever conveniences are necessary for the efficient use of the equatorial telescope. The building is octagonal, resting on a deep foundation and having a revolving dome, with sliding panel giving unobstructed sky-view

from horizon to zenith. The instrument rests on a pedestal, which stands on a column of brick and stone, protected from the effects of external temperature changes by a detached inclosing cylinder of the same material. The telescope is equatorially mounted by Fauth & Co., of Washington, with the usual adjuncts of declination and hour circles, and clock-work for diurnal rotation. The object glass of six inches diameter was made by the firm of Alvin Clark & Sons, of Boston, and, with the half-dozen eye-pieces, gives a perfection of work which does no discredit to the manufacturers. The focal distance of the object glass is eight feet, and the magnifying power of the instrument ranges from seventy to five hundred diameters.

College Residence This attractive and comfortable home for young women students is a substantially constructed brick building, located on the campus in close proximity to the lecture halls and laboratories. It is heated by steam and lighted by electricity, and is equipped with modern conveniences. The rooms contain all necessary furniture, but students provide their own bed linen, towels and toilet articles, and any decorations desired. The rooms are entirely cared for by competent maids.

The dining-room service is directly under the control of the College. All possible pains are taken to make the meals wholesome and attractive, and every effort is made to keep the service up to the standard of refined homes.

The Head of the Residence has general oversight of the young women living there. She will be glad to answer inquiries of parents concerning the progress of their daughters. The advantages of this home are offered to young women at lower rates than those at which approximately equal advantages may be obtained in private residences. The Residence is maintained solely for the accommodation of young women who, coming from a distance to attend the College, must find boarding places in Irvington; and all such are required to make their home there.

For special circular showing plan of building and giving de-

tailed information about rooms, address the Head of the Residence.

Gymnasium. The gymnasium building, built of red brick and buff limestone, contains a main exercising hall thirty-five by fifty-eight feet, well ventilated and lighted, with double oak floor and high ceiling. There are bathrooms, with hot and cold water, lockers, and necessary accommodations for the students who use the gymnasium, and also for the athletic teams. Certain hours are set apart for the use of the gymnasium by the young women.

The power house, containing the electric lighting plant and the furnaces and boilers by which all the College buildings are heated, is externally a part of the gymnasium building, but is in reality a separate structure.

EXPENSES AND PRIZES

The College year consists of three terms of twelve weeks each. The fees payable to the College on account of instruction, library, incidentals, etc., amount to sixteen dollars per term. In addition the following extra charges are made: Special student, three dollars (except as provided on page 39; in the departments of Biology, Chemistry and Physics, laboratory fees, ranging from \$1.50 to \$4.00, to cover cost of materials used and ordinary wear on apparatus. Students are required to pay for apparatus broken or injured. For a special examination a fee of \$1.00 is charged. For each day's delay in registering after the date appointed (see College Calendar, page 3), a fee of \$1.00 is charged; the total, however, is not to exceed \$3.00. For a change of registration, after a registration card has once been issued, a fee of \$1.00 is charged. Students undertaking a fourth subject of study will pay \$5.00 in addition to the regular tuition for a major course, or \$2.50 for a minor. For the Bachelor of Arts diploma a fee of \$5.00 is charged; for the Master of Arts' diploma, \$10.00. Graduating fees must be paid before the conferral of degrees.

Term bills are payable at the beginning of each term, and the student may be enrolled in class only upon his presentation to the instructor of the registrar's order of admission, stamped with the treasurer's receipt for fees. In case of the absence of a student for half or more than half of the term, one-half of the tuition paid by him for that term may be credited on a future term.

Expenses of Residence. Following are estimates of yearly expenses for the session of thirty-six weeks:

	Lowest.	Average.	(with Lab.)	Liberal.
Fees	\$48.00	\$48.00		\$57.00
Room	27.00	36.00		54.00
Board	72.00	126.00		126.00
Books	10.00	15.00		20.00
	<u>\$157.00</u>	<u>\$225.00</u>		<u>\$257.00</u>

The above "average" and "liberal" estimates for board and room are based on the rates charged at the College Residence, where rooms may be obtained by young ladies at prices ranging from \$9 to \$18 per term of twelve weeks, and table board is furnished at \$42 per term. Room rent at the Residence is payable in advance at the beginning of the term, and no rebate is allowed if the room is vacated before the end of the term. Board bills for the term are payable in three equal installments. No reduction is made for occasional absences.

Board and rooms may be obtained in private families at about the same rates. Students who feel it necessary to curtail expenses as much as possible will find rooms to let at lower rates, with facilities for independent housekeeping, or opportunity for the formation of clubs. A boarding club is organized each year, on a cooperative plan, in which students may obtain good table board at the lowest possible rates.

Aid and Self-Support. While the College can not guarantee employment to students desiring to earn their way, its officers will gladly do all within their power to assist students in securing profitable employment. In a city of the size of Indianapolis there is always work to be done, and a student who is energetic, determined and self-reliant need have no fear but that he can earn enough to meet either part or all of his expenses.

Ministerial students will find here exceptional facilities for self-support, owing to the location of the College at the center from which railways and interurban electric lines radiate to all parts of the State, and the large number of Christian churches within a convenient distance which depend upon student preaching. The College always has more calls for preachers than it can supply.

Prizes. Prize medals, through the generosity of the Hon. Addison C. Harris, have been provided to be given to the orator and the debaters representing Butler College in intercollegiate contests.

Three scholarships yielding free tuition in the University of Chicago for one year (three quarters) are granted annually to graduates of Butler College nominated by the College. These scholarships represent a value of \$120 each. But see page 13.

REGISTRATION AND ENTRANCE

Butler College offers its advantages to the following classes of students:

Regular College Students. (For requirements for admission and graduation, see pages 29-40.)

Special Students, not candidates for a degree. (See page 39.)

Ministerial Students, who may be either graduates or special students.

Graduate Students, who must have the baccalaureate degree from Butler College, or some institution of similar rank, and who may become candidates for the degree of Master of Arts. (See page 37.)

Music Students, who may be either studying music in addition to their regular college work, or taking the full musical course. (See page 85.)

Art Students, who may or may not be doing academic work also. (See page 87).

Students in the Teachers' College Study Department, who attend weekly classes held in a central location in Indianapolis, and who may or may not be candidates for a degree. (See page 96.)

Classification. Students are not classified on the records of the College except as above indicated. Their names are printed in the catalogue in alphabetical order. Entrance conditions must be made good at once; and no one having more than two entrance units in arrears, except graduates of commissioned high schools, will be classed as a regular college student.

Registration. The office hours of members of the faculty on days appointed for registration (see College Calendar), are 9 to 12 a. m. and 2 to 4 p. m. Applicants in order to secure prompt attention should present themselves on the days and at the hours designated.

New students will first present their credentials to the examiner, from whom they will receive statements of the credits granted. On presentation of these to the adviser, they will be assigned to their classes. Old students will go at once to the adviser for assignment to classes.

The penalty for late registration is \$1.00 for each day's delay until the total shall amount to \$3.00. Each change of registration, unless necessitated by action of the faculty, constitutes a new registration, and is subject to the same penalty. Tuition fees must be paid to the secretary before students can be admitted to their classes.

REQUIREMENTS FOR ADMISSION

Preparation for admission to the Freshman class is expected to cover a period of four years in a good high school or academy.

Graduates of commissioned high schools in Indiana and of schools of similar grade in other States are admitted to the Freshman class without examination, but such admission does not excuse them from making good any of the entrance requirements which are not covered by the high school credits.

All other candidates for admission will receive from the examiner statements showing the maximum credits which may be granted. On presentation of these statements to the instructors whose departments correspond to the preparatory departments in which credits are claimed, arrangements will be made to determine the exact amount of credit to be allowed in the respective departments.

Students who expect to enter without examination should present specific statements of the work that has been done—not simply diplomas from high schools or academies. Blanks prepared for this purpose will be furnished on application. Certificates, upon which entrance credits are to be granted, must be signed by the principal of the school in which the work was done.

Admission credits are reckoned in units. A *unit* is the equivalent of a course of study extending through one full year of not less than thirty weeks, and occupying five hours of recitation per week. Two hours of laboratory work are regarded as equivalent to one hour of prepared work. No fractional units are credited except as here indicated.

Fifteen units are required for entrance to Freshman class. Of this number $5\frac{1}{2}$ are definitely prescribed, 5 are to be chosen from certain specified groups, and $4\frac{1}{2}$ are elective.

Required:

English	3	units.
Mathematics	$2\frac{1}{2}$	units.

Foreign Language (from Group I).....	3	units.
History (from Group II).....	1	unit.
Science (from Group III).....	1	unit.
<i>Elective:</i>		
From Groups I-IV.....	4½	units.
Total		15 units.

The required work in English (3 units) is equivalent to the usual three years of English, including composition, rhetoric and literature, as taught in good high schools. Candidates who present a fourth year of English may receive credit for it as an elective. (See Group IV below.)

The required work in Mathematics (2½ units, as above) includes algebra to quadratic equations (1 unit), quadratic equations (½ unit) and plane geometry (1 unit). Candidates who offer more than the minimum requirement in Mathematics may receive credit for it as an elective. (See Group IV.)

The groups from which the required work in foreign language, history and science must be chosen are as follow:

GROUP I.

Foreign Language.

Latin 1.	Beginning course and Cæsar, 4 books	2 units.
Latin 2.	Cicero, 6 orations, or Cicero, 4 orations and Vergil, 2 books.	1 unit.
Latin 3.	Vergil, 5 books.....	1 unit.
Latin 4.	Tacitus	½ unit.
Latin 5.	Livy	½ unit.
Greek 1.	Beginning course and Anabasis, Book I.....	1 unit.
Greek 2.	Anabasis II—IV, with Barnes's Composition, and Homer's Iliad, Books I—II.....	1 unit.
Greek 3.	Plato, Herodotus, or equivalent authors	1 unit.
German 1.	Beginning course.....	1 unit.
German 2.	Second year.....	1 unit.
German 3.	Third year	1 unit.
French 1.	Beginning course.....	1 unit.
French 2.	Second year.....	1 unit.

REQUIREMENTS FOR ADMISSION.

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French 3. Third year	1 unit.
Spanish 1. Beginning course.....	1 unit.

NOTE.—At least three units must be offered from this group, and at least two of these must be in one language.

For every unit of language work offered for entrance in excess of the minimum requirement of three units, the candidate will be excused from one year of the required language work in College.

GROUP II.

History and Civics.

General History	1 unit.
Ancient History	1 unit.
Medieval ($\frac{1}{2}$) and Modern History ($\frac{1}{2}$).....	1 unit.
English History	$\frac{1}{2}$ unit.
United States History.....	$\frac{1}{2}$ unit.
Civics	$\frac{1}{2}$ unit.
Economics	$\frac{1}{2}$ unit.

NOTE.—Credit will not be given for both General History and Ancient History. Credit will not be given for both Civics and Economics unless one unit of History is also offered. Not more than 3 units in all will be accepted from this group.

GROUP III.

Natural Science.

Physics	1 unit.
Chemistry	1 unit.
Botany	$\frac{1}{2}$ or 1 unit.
Zoology	1 unit.
General Biology	1 unit.
Physiology	$\frac{1}{2}$ unit.
Physical Geography	$\frac{1}{2}$ unit.
Geology	$\frac{1}{2}$ unit.
Astronomy	$\frac{1}{2}$ unit.

NOTE.—Not more than 4 units in all will be accepted from this group.

GROUP IV.

Advanced Courses in Required Subjects.

English 4. (First half of fourth year High School English).....	$\frac{1}{2}$ unit.
English 5. (Second half of fourth year High School English).....	$\frac{1}{2}$ unit.
Mathematics 4. Solid Geometry.....	$\frac{1}{2}$ unit.
Mathematics 5. Trigonometry	$\frac{1}{2}$ unit.
Mathematics 6. College Algebra.....	$\frac{1}{2}$ unit.

NOTE.—None of the courses in this group is required for entrance, but they may be offered among the $4\frac{1}{2}$ units of electives which must be presented.

Conditioned Students. If a student is conditioned in any admission subjects, he must begin at once to make up his deficiencies, those in *required* subjects being taken first, and precedence being given at all times to those courses which may be offered in lieu of the deficiencies.

If the conditioned student is deficient in subjects in which instruction is offered by the College, he must elect from the courses offered by the College a sufficient number of courses which may be offered for entrance, to make good the deficiency. In this case, 2 majors of college work will be accepted as equivalent to 1 unit of preparatory work. But Greek 1, 2, 3; German 1, 2, 3; French 1, 2, 3; and three majors of natural science, unless a unit of natural science shall have been offered on admission, will be accepted only on the basis of 3 majors for 1 unit of entrance work, and English A will be credited for admission only according to the judgment of the instructor in charge. If the conditioned student is deficient in subjects in which the College offers no instruction, such deficiencies may be made up under approved tutors or in a high school of Indianapolis.

Special Announcement. On account of the development of good high schools almost everywhere, the College has discontinued its preparatory department; but for the accommodation of students already enrolled in the department, competent tutors will be provided in 1908-'09.

Advanced Standing. Students coming from *high schools* or other secondary schools, and presenting credits in excess of those required to fulfill the entrance requirements may, in certain departments, secure college credit for the work by passing an examination in it; or, at the discretion of the instructors concerned, such students may receive college credit for this work on the completion of at least two further courses in the same departments with a grade of 80 or more in each course. The following limitations will, however, be observed:

1. In no case will a preparatory unit be accepted for more than two college majors. (A major is a five-hour course for twelve weeks.)

2. Where three units from Group II (History) have been presented for entrance, no college credit will be granted for additional work in that group.

3. Where four units from Group III (Science) have been presented for entrance, no college credit will be given for additional work in that group.

4. No more than a total of nine college majors will in any case be credited on the basis of work in a high school or other secondary school, even in cases where "postgraduate" high school work has been done.

5. Only in the following subjects may college credit be obtained, and to the maximum amount indicated in each case.

English	3 majors.	Mathematics	3 majors.
Latin	4 majors.	Physics	2 majors.
Greek	4 majors.	Chemistry	2 majors.
German	6 majors.	Botany	2 majors.
French	6 majors.	History	2 majors.
Spanish	2 majors.		

Students coming from other *colleges* or universities may receive advanced standing upon presentation of statements of the work which they have done. These statements should include (a) an officially signed statement certifying to the college credits that have been earned, and (b) a statement of the work which was done in satisfaction of entrance requirements. Such state-

ments should indicate the subjects studied, ground covered, number of weeks and number of hours of recitation per week. In the case of students coming from colleges whose entrance requirements are less than those of Butler College, a sufficient number of college credits will be applied to make good the deficiency in preparatory credits.

To receive credit toward advanced standing, application must be made to the examiner at the time of matriculation, or earlier. It is desirable that candidates for advanced standing should forward their statements of work before presenting themselves for entrance. No student from another college will be admitted except upon presentation of a certificate of honorable dismissal.

REQUIREMENTS FOR GRADUATION

The plan of study offered to the student in the requirements for graduation is an attempt to combine the essentials of general culture, which is the prime object of the undergraduate college course, with an opportunity for development along the lines of the student's natural interest, and preparation for university and professional study.

The normal length of time required for the college course is four years, but students who have the necessary ability and industry can complete it within three calendar years.

In addition to the entrance units (see pages 29 *sq.*), there are required for graduation 36 majors of class instruction and 2 majors of physical culture.

A *major* is the equivalent of 5 hours' classroom work each week for a term of 12 weeks. Where laboratory work is carried on, two to three hours in the laboratory are equivalent to one hour in the classroom. In some of the more advanced courses, where much private work may profitably be laid out for the student, the number of hours each week which shall be equivalent to a major may be determined by the instructor. A *minor* is a course of two or three hours a week for twelve weeks.

These courses are elective under the following conditions:

1. Students, as a rule, will assume work to the total value of three majors each term. No student may take fewer than three major courses without the special consent of the President, given on recommendation of the adviser. In case permission is granted the student to carry but two subjects, full tuition will be one-half full tuition. If a student's average grade for the term next preceding shall have been as high as 80, he may take work to the aggregate value of four majors. But in no case may he take more than this amount during any one term. A fee of

\$5.00 will be charged for an additional major course, or of \$2.50 for each additional minor course in excess of three majors. These restrictions do not apply to courses in physical training. In any case, the courses chosen must not conflict in times of recitation, and all work, to receive credit, must be done in class.

2. REQUIRED SUBJECTS.—(a) Students offering the minimum (three entrance units) of language work (Group I) for entrance, must elect nine majors of foreign language in college. For every additional language unit offered for entrance, three majors may be deducted from the nine required in college. Thus a student who presents four units of language for entrance will take six majors in college. One who presents five units will take three majors. One who presents six units is entirely relieved from the college language requirement. In any case, however, the total required work in foreign language for entrance and in college (six years' work in all) must not be divided between less than two or more than three languages, and must include at least three years' work in some one language.

(b) Students who present less than two units of physical science (Group III) for entrance, must elect three majors in a laboratory science not offered for admission.

At least six majors in the subjects thus required must be taken during the first year of residence, and the remainder during the second year. Students entering with advanced standing must begin at once to meet these requirements.

3. At least nine major courses must be taken in one department, or twelve in closely related departments. In the latter case, six majors must be taken in one department and the remainder in subjects approved by that department.

4. Not more than twelve majors may be taken in any one department. During the first two years, not more than one major course each term may be taken in one department. In construing this rule, the courses in Forensics and Oratory are not considered as belonging to the department of English.

5. The following courses (unless taken to meet entrance requirements) will have the value of one minor each to students who are credited with 26 majors: Latin A, 1, 2, 3; Greek 1, 2, 3; German 1, 2, 3; French 1, 2, 3; English 1, 2, 3; Mathematics 1, 2, 3.

6. Not more than six majors may be credited from the courses offered by the Divinity School, and the student may not offer those courses which are indicated as not to be credited toward the A. B. degree. But three majors in Biblical Literature in English may be offered in addition to these six. Students presenting advanced theological credits from other institutions will be similarly restricted as to amount and character of work to be accepted.

In making his choice the student must observe any restrictions and prerequisites that may be attached to the particular courses he wishes to select. All courses must be selected in consultation with the adviser.

Any student coming from another institution is required to take at least the last nine major courses in residence at this College before receiving the degree.

Upon the satisfactory completion of the aggregate requirements as here given, and the payment of the graduation fee (see page 24), the student is entitled to receive the degree of Bachelor of Arts.

Graduate Students. The College confers the degree of Master of Arts on applicants holding the corresponding baccalaureate degree. In case the applicant's undergraduate work has been done at another college, he is required to show that such work is fully equivalent to that required for the baccalaureate degree at this College. Applicants who have not completed the necessary amount of work must make up their deficiencies by taking the required courses for which they do not present equivalents, and elective courses sufficient to complete thirty-six credits, before they will be admitted to candidacy for the second degree.

The degree of Master of Arts is not conferred except for resident work, and credit toward it can be given only for work done under the direction of the College. The degree is given only to those applicants whose work and thesis show them to have the required proficiency in the subject chosen, and is not guaranteed at the end of any definite period of work. It is conferred subject to the following conditions:

The applicant must satisfactorily complete nine major courses, part or all of which may be selected in the Divinity School, and present a satisfactory thesis in his leading subject. The leading subject shall consist of three major courses of advanced work taken consecutively in one line of study. The work of candidates for the Master of Arts degree may consist (a) of subjects especially assigned to individual students, and (b) of lines of study to be selected, under the direction of the faculty, from advanced undergraduate elective work. No required undergraduate courses, and none of the courses specified in Rule 5, page 37, will be credited for the degree of Master of Arts. In addition to the ordinary term examinations, the candidate's qualifications for the degree are tested by an oral examination in the work which he has taken.

No work done by a student while yet an undergraduate shall be allowed to count toward fulfilling the requirements of a graduate course; but students who finish their undergraduate work before the close of the college year may begin their graduate work at once without waiting for the conferring of the Bachelor of Arts degree. Graduate students are subject to the same regulations regarding number of subjects to be taken as undergraduate students. In all cases the work of candidates for the degree of Master of Arts is subject to the approval of the faculty committee on graduate work, and to this committee all proposed graduate work must first be submitted. A typewritten copy of the thesis upon the regulation paper must be deposited in the library, and the graduation fee paid (see page 24), before the degree will be granted.

Special Students. Any person, not a candidate for a degree, may be admitted as a special student and allowed to pursue a special course of study under the following conditions:

1. If under 21 years of age, the applicant must satisfy the requirements for admission to the College to the same extent as regular students, and must pay a fee of \$3.00 a term in addition to the fee paid by regular students.

2. If over 21 years of age, the applicant may be admitted, without examination and without extra fee, provided he gives evidence to the adviser that he possesses the requisite information and ability to pursue profitably the chosen courses.

3. Only persons having a definite end in view, approved by the President, will be accepted as special students, and no applicant for a special course will be admitted unless urgent need of such course shall appear.

4. No regular student who fails in his work will be allowed to become a special student until he has made good his failures.

5. Special students are subject to the same regulations as regular students with regard to the amount and quality of work performed, and attendance at recitations and examinations. The faculty may at any time deprive any special student of his privileges if it appears that he is abusing or neglecting them.

Examinations. Examinations in all courses of study are held at the close of each quarter in the same order as the regular recitations. Students are graded in each study pursued during the quarter. A student failing in any subject must make such failure good within a period of one year, in order to receive credit for the course. Absence from examinations counts as failure. A student taking an examination at a time other than that appointed for his class must first pay to the treasurer, for the benefit of the library fund, the sum of one dollar.

**Quarterly
Reports.**

As soon as possible after the quarterly examinations, a report of the attendance and proficiency of each student is prepared and sent to his parent or guardian, who is earnestly requested to give such report careful attention, or to notify the secretary of any failure to receive it. These reports should be preserved.

Students are graded on a scale of 100 as follows: 60 is passing grade, and 80 indicates a fair degree of excellence.

The term report made at the close of the Spring term will indicate, also, the student's arrears (if any) in entrance requirements and prescribed work, and will give the number of credits toward graduation due him, thus showing his classification for the beginning of the following year.

COURSES OF INSTRUCTION

When an announced course has not been applied for by at least three students, candidates for a degree, the instructor shall be at liberty to withdraw the course.

Class exercises are daily, from Tuesday to Saturday inclusive, unless otherwise indicated in statement of courses.

The week-holiday is Monday.

All courses are majors unless otherwise indicated.

Bracketed courses will not be offered in 1908-'09.

LATIN.

PROFESSOR PAINE.

General Statement. In the Latin work of the first college year (courses 1, 2, 3) the especial aim is to develop the student's grasp of the language. To that end there is much insistence on vocabulary practice and oral reading, as well as upon accurate and finished translation. The advanced courses, which are either continuous or supplementary to one another, seek primarily to foster real appreciation of Roman literature for its own sake.

Courses.

- A, 1. VERGIL: The Aeneid. Three books, with work in grammar and composition. Prerequisite, at least 2 units of entrance Latin. *Winter, 3:00.*
- A, 2. VERGIL: The Aeneid. Three additional books. Grammar; composition. Prerequisite, course A, 1. *Spring, 3:00.*
1. LIVY: Books I and XXI. Selections from other books. Special study of the regal period of Roman history. Grammatical review. Sight translation. *Fall, 11:30.*

2. TACITUS: Agricola and Germania. Illustrative passages from other writings of Tacitus. These works are read with detailed reference to their historical and literary value.

Winter, 11:30.

3. HORACE: Odes and Epodes. Intensive study of specimen odes. Rapid translation of other poems. Analysis of the versification. Oral reading. Literary criticism.

Spring, 11:30.

4. HORACE: Satires and Epistles. Designed to complete the study of Horace begun in course 3.

Fall, 10:30.

5. CATULLUS, TIBULLUS AND PROPERTIUS: Aims and methods as in course 3.

Winter, 10:30.

6. PLAUTUS: Captivi and Trinummus. Sight translation from other plays. Metrical analysis. Oral reading.

Spring, 10:30.

7. LUCRETIVS: De Rerum Natura. Reading and translation of selected passages. Collateral study of Epicureanism and related philosophical systems among the Romans.

Fall, 9:00.

8. CICERO: De Natura Deorum. Designed to continue the study of Roman philosophical writing begun in course 7.

Winter, 9:00.

9. TEACHERS' COURSE. Brief survey of Latin grammar with reference to teaching. Discussion of other matters relating to secondary school instruction. This course is adapted to the needs of students who elect it, and a literary subject will be substituted if desired.

Spring, 9:00.

GREEK.

MISS GRAYDON.

General

Statement.

In this department the ultimate aim is a broad and at the same time accurate knowledge of the subjects undertaken. Students are encouraged to work

toward appreciation of Greek for its own sake and toward facility in the use of Greek texts as original sources. In the elementary course the instructor gives particular attention to the needs of beginners, assisting them to cover rapidly as college students the work commonly done through a more extended period in preparatory schools. The advanced courses are designed, as far as possible, to continue or supplement one another.

Courses 1, 2, 3 are continuous and all must be taken if credit in any one of them is desired.

For students credited with 26 majors or more, courses 1, 2, 3 have the value of one minor each.

Courses.

- 1, 2, 3. **ELEMENTARY GREEK.** Special effort is made with mature students to prepare them in one year for subsequent courses in classical Greek, or the New Testament. White's First Greek Book. Xenophon's Anabasis.

Fall, Winter, Spring, 8:00.

4. **PLATO:** Apology of Socrates and Crito. Selections from other dialogues. Greek syntax and prose composition. Sight reading in Xenophon's Memorabilia. *Fall, 11:30.*

5. **INTRODUCTION TO GREEK ORATORY:** Selected orations of Lysias. Sight translation. *Winter, 9:00.*

6. **INTRODUCTORY STUDY OF THE GREEK DRAMA:** The Prometheus Bound of Aeschylus and Iphigenia among the Taurians of Euripides. Collateral study of the Greek theater and presentation of the dramas. *Spring, 9:00.*

7. **HOMER:** Selected books of the Iliad. Object, genuine literary appreciation of the Homeric poems. Special reference to Mycenaean archaeology and the Homeric question. *Fall, 8:00.*

8. **LUCIAN:** The Dream, Charon, Sale of Lives, Peregrinus. Sight translation of representative dialogues with a view to

gaining as comprehensive a view as possible of Lucian's writings. *Winter, 8:00.*

9. AESCHYLUS: The Agamemnon and other dramas.

Spring, 8:00.

- [10. MODERN GREEK: Grammar, short stories and poetry.]

- [11. GREEK LITERATURE IN ENGLISH: A general survey of Greek literature. Homer and the dramatists are read in translation. Lectures by the instructor. Reports on assigned topics by members of the class.]

GERMAN.

PROFESSOR HOWE.

ASSISTANT PROFESSOR EGGER.

General factory study of German literature, and in-
Statement. The College library is sufficient for very satis-
cludes a complete set of Kuerschner's Deutsche National-Litera-
tur, comprising over 200 volumes.

Courses in Gothic and Old High German may be arranged with the instructor by advanced students.

Courses 1, 2, 3 are continuous, and all must be taken in order to receive credit.

To students credited with 26 majors or more, courses 1, 2, 3 have value of one minor each.

Courses.

1, 2, 3 form a continuous course in beginning German for college students. The first few weeks are devoted to acquiring a sufficient knowledge of the grammatical forms to enable the student to begin reading easy prose. The remainder of the course consists of exercises in translating from German into English, from English into German, and in a more thorough study of the grammar. *Fall, Winter, Spring, 2:00.*

4. Reading of selected prose works. Exercises in Poll's Composition and von Jagemann's Syntax twice each week. Prerequisite, courses 1, 2, 3, or equivalent. *Fall, 8:00.*
5. SCHILLER: The course begins with the reading of Schiller's Thirty Years' War. This is followed by Wallenstein's Lager and Die Piccolomini. Lectures and collateral reading on the life and works of Schiller. Composition as in course 4 continued. *Winter, 8:00.*
6. SCHILLER: Reading of Wallenstein's Tod and one other of Schiller's dramas; or, selections from the author's Gedichte on the basis of von Klenze's Deutsche Gedichte. Lectures and collateral reading on the works studied. Composition as in course 5. *Spring, 8:00.*
7. GOETHE: Reading of Goetz von Berlichingen and Egmont, together with the study of the author's life and works by means of lectures and assigned reading. Composition exercises and German theme writing. *Fall, 9:00.*
8. GOETHE: This course consists in reading in class Dichtung und Wahrheit; also written studies of other works of the author are required from the members of the class. Exercises in writing German. *Winter, 9:00.*
9. FAUST: Reading of Part I and parts of Part II. A study of the Faust Legend and of the origin and development of Goethe's Faust. Thomas's Faust is used as a text-book. Exercises in writing German. *Spring, 9:00.*
10. THE ROMANTIC MOVEMENT: A study of the Romantic Movement in Germany by means of lectures and assigned reading. Members of the class are required to prepare written studies of the works of those authors treated in the lectures. *Fall, 8:00.*
11. THE MODERN GERMAN DRAMA: Selected works of the most important modern dramatists are read in class. Lectures

on the history of the drama. Theses prepared by the class on assigned reading. *Winter, 8:00.*

12. THE GERMAN NOVEL: The history of the German novel is treated in lectures, and novels are read in class. Much collateral reading of German fiction is done and reports are required on the works thus read. *Spring, 8:00.*
- [13. HISTORY OF GERMAN LITERATURE: This course consists of lectures on the early periods of German literature down to the time of Luther. References to the usual histories of the literature and to the works of the authors considered. Assigned reading and reports. *Fall.]*
- [14. HISTORY OF GERMAN LITERATURE continued: This course deals with the literature from the rise of Luther to the beginning of the Eighteenth Century, and includes a treatment of the origin and early history of both the novel and the drama in Germany. Collateral reading and reports. *Winter.]*
- [15. HISTORY OF GERMAN LITERATURE concluded. The literature of the Eighteenth and early Nineteenth Centuries is studied. Collateral reading and reports. *Spring.]*
- [16. MIDDLE HIGH GERMAN: Study of the forms from Bachmann's *Mittelhochdeutsches Lesebuch*; reading from Hartmann's *von Aue der Arme Heinrich*, *das Nibelungen-Lied* and *Walter von der Vogelweide*. To enter this course, the student must obtain consent of the instructor.]

NOTE.—Courses 10, 11, 12 alternate with courses 13, 14, 15, and the student must have taken at least the equivalent of courses 4, 5, 6, 7, 8, 9 to be admitted to them.

ROMANCE LANGUAGES.

MISS MCINTYRE.

ASSISTANT PROFESSOR EGGER.

General Statement. In French a course extending over three years is offered, and the work is intended primarily for college students already trained to college study. However, for the third year French different courses are offered in alternate years, so that a student may obtain credit for four years' work in French. In 1908-'09 courses 10, 11, 12 will be given.

To students credited with 26 or more majors, courses 1, 2, 3 will have the value of only one minor each.

In Spanish a course extending over two years is offered. The chief object of the first three courses is to enable the student to obtain a fair reading knowledge of modern Spanish and also to give him the ability to use Spanish in social and business relations. Spanish stories and easy novels will be read during the first year, which, in connection with a thorough drill in grammar, will furnish excellent drill and opportunity for practice in conversation. In the three additional courses, works of Spanish literature, especially the modern Spanish novel and drama, as Cervantes, Calderon and Lope de Vega, will be studied.

The work of these two years will be given alternately. Courses 1, 2, 3 will be given in 1908-'09 and courses 4, 5, 6 in 1909-'10.

Courses in French.

- 1, 2, 3. **ELEMENTARY FRENCH:** Fraser and Squair's Grammar. Easy texts, such as, "Le Voyage de M. Perrichon" and "L'Abbe Constantin." Constant practice in composition.
4. **MODERN FRENCH SHORT STORIES:** Reading from characteristic short story writers. Composition continued.
5. **THE FRENCH NOVEL:** Illustrative novels, with composition based on texts read.

6. MODERN FRENCH DRAMA: Victor Hugo, "Ruy Blas;" Scribe, "Bataille des Dames;" Augier, "Le Gendre de M. Poirier;" Rostand, "Les Romanesques."
- [7. THE CLASSICAL DRAMA OF THE SEVENTEENTH CENTURY: Representative works of Moliere, Corneille and Racine.]
- [8. THE FRENCH NOVEL: The reading done in this course is more rapid than in course 5. Besides the work done in class, one or two novels will be read outside, and reports made upon this assigned reading.]
- [9. Novel work continued, and a study of Modern French Lyric Poetry.]
10. LITERATURE OF EIGHTEENTH CENTURY: Le Sage, "Gil Blas;" selections from Voltaire; Saint-Pierre, "Paul et Virginie;" La Fontaine, Fables.
- 11, 12. LITERATURE OF NINETEENTH CENTURY: Reading of representative authors. Pellissier's "Le Mouvement Litteraire au XIXme Siecle" used as guide.
13. The modern short story in French, German and English. The work of representative short-story writers in the three languages will be studied, and there will be discussion of the general methods of short-story writing. *Spring.*

This course may be counted toward a major in French, German or English. It is open to students who have taken one year of French and two years of German, or to any others who can satisfy the instructor of their ability to read French and German easily. Permission to take the course must be obtained before registering for it.

Courses in Spanish.

FIRST YEAR SPANISH.

1. ELEMENTARY SPANISH: Course in grammar, composition and reading, with drill in pronunciation and conversation. Texts

used: A Spanish Grammar, by Hills and Ford; *Introducción a la Lengua Castellana*, by Marion y des Garennes.

Fall, 10:30.

2. INTERMEDIATE SPANISH: Course in grammar and composition continued; reading of easy prose. Texts: Hills and Ford's Grammar; Bransby's Spanish Reader; Fontaine's "Doce Cuentos," or Asensi's "Victoria y otros Cuentos."

Winter, 10:30.

3. SPANISH STORIES AND NOVELS: Alarcon. (a) *Novelas Cortas*, (b) *El Capitan Veneno*, (c) *El Sombrero de Tres Picos*.

Spring, 10:30.

[SECOND YEAR SPANISH—MODERN NOVEL, DRAMA, POEMS AND CLASSICAL AUTHORS; HISTORY OF SPANISH LITERATURE.]

- 4, 5, 6. The best works will be selected from the following authors: Bazan, Bequer, Caballero, Calderon, Cervantes, Echegaray, Galdos, Gil y Zarate, Padre Isla, Larra, Lope de Vega, Moratin, Nunez de Arce, Taboada, Tirso de Molina, Trueba, Valdes, Valera.

Butler Clark: *Spanish Literature*.]

ENGLISH.

PROFESSOR KENYON.

MISS GRAYDON.

General Statement.

The Department of English contemplates three objects:—

1. Practice in English Rhetoric and Composition.
2. An acquaintance with English Literature.
3. A knowledge of the origin and development of the English Language.

With the exception of English 1, 2, 3, the courses in English are given in alternate years, so as to allow a greater variety

of courses to elect from. The announcement of courses for 1909-'10 is incomplete in the present catalogue.

Courses.

- A. SPECIAL COURSE: A course, continuous throughout the year, intended to meet the needs of students who are conditioned in entrance English and of those whose work in college courses indicates insufficient preparatory training. The instructor will select for study such English masterpieces as may be best adapted to the requirements of the class; and frequent themes based on the literature will be required. No college credit is given for this course.

Fall, Winter, Spring, 11:30.

- 1, 2, 3. FRESHMAN ENGLISH: English Literature and Composition; a general survey of English literature, together with daily and fortnightly themes. Three majors.

Fall, Winter, Spring, 9:00.

Second division, if necessary, 10:30.

- 10, 11, 12. OLD ENGLISH, MIDDLE ENGLISH, CHAUCER: The object of this course is two-fold: an introduction to English language, meter and style; and a study of English literature up to and including Chaucer. The chief emphasis will be given to the literature of the period. Along with the reading of selections, lectures will be given on the most important types of English literature, such, for example, as the Arthurian romances, as the forerunners of modern literature. Prerequisite, English 1, 2, 3.

PROFESSOR KENYON.

Fall, Winter, Spring, 11:30.

- [17. SHAKESPEARE. Compare course 18, which is given in 1908-'09. *Spring.*]

18. SHAKESPEARE: A careful reading of three plays, with attention to anything that bears on their interpretation. This course alternates with 17, and both may be taken, as dif-

ferent plays are read in each course. Prerequisite, English 1, 2, 3.

PROFESSOR KENYON.

Fall, 9:00.

19. SPENSER AND MILTON: A study in Romance and Epic. Lectures on certain characteristics of Romance and Pastoral, leading up to Spenser, and on Epic, leading up to Milton. Prerequisite, four majors in English.

PROFESSOR KENYON.

Winter, 9:00.

13. MASTERPIECES OF ENGLISH PROSE: This course will consist of a study of several of the best pieces of prose from Malory to the present time. Attention will be given both to style and subject matter. Prerequisite, four majors in English.

PROFESSOR KENYON.

Spring, 9:00.

- [14. THE ENGLISH NOVEL: This course is a study of representative Nineteenth Century novels. Prerequisite, four majors in English.]

Winter.]

- 7, 8, 9. THE ENGLISH DRAMA: This course is continuous throughout the year. The English Drama is studied as an expression of social conditions and a distinct art, without neglect of its characteristics as a form of literature. Lectures and interpretation are given by the instructor, while an intensive study of typical plays is made by the student. Prerequisite, five majors of English.

MISS GRAYDON.

Fall, Winter, Spring, 9:00.

THE DEVELOPMENT OF THE ESSAY: Lectures, historical and critical, are given, while reading and analysis of representative essays are made. Prerequisite, four majors of English.

MISS GRAYDON.

Fall, 10:30.

21. TENNYSON.

MISS GRAYDON.

Winter, 10:30.

22. BROWNING:

MISS GRAYDON.

Spring, 10:30.

Courses 21 and 22 regard the personality of each poet and the development of his art. Historical and literary criticism is made of selected poems. Prerequisite, five majors of English.

PHILOSOPHY AND EDUCATION.

PROFESSOR ROGERS.

General Statement. The main purpose of the work in Philosophy is to put the student in possession of a way of looking at things which will help him to interpret both his own experience, and the larger problems which enter into the intellectual life of the time. To this end emphasis is put throughout upon the psychological standpoint.

The courses in Education will be transferred to the Department of Education when that department is organized.

Courses in Philosophy.

- 1a, 1b. **PSYCHOLOGY—ELEMENTARY COURSE:** It is the purpose of this course to acquaint the student with the scope and method of the science, the nature and activities of the mind, and the laws and processes of mental development. Prerequisite, nine college majors. *Fall, Winter, 10:30.*
- 2, 3. **LOGIC AND ETHICS:** The two courses are separate in subject matter, and will be given on alternate days. Prerequisite, Philosophy 1. *Spring, 10:30.*
- [4. **PHILOSOPHY OF RELIGION:** A discussion of the fundamental problems of philosophy from the standpoint of the religious conception of the world. *Fall.]*
- [6. **AESTHETICS:** An attempt will be made to work out, on historical and psychological grounds, a theory of beauty and of art. Discussions and assigned reading. Prerequisite, eighteen college majors. *Spring.]*

- 7, 8. HISTORY OF PHILOSOPHY: A study of the development of thought from the Greeks to Spencer, in its relation to the history and civilization of the times. Prerequisite, eighteen college majors. *Fall, 8:00.*
9. ENGLISH THOUGHT IN THE NINETEENTH CENTURY: The more important social, literary and philosophical tendencies will be examined in a somewhat untechnical way. Lectures and reports. *Spring, 8:00.*
10. PLATO: Reading and discussion of the more important Platonic dialogues. *Winter, 8:00.*

Courses in Education.

1. HISTORY OF EDUCATION: The development of educational problems and methods in their relation to social and political life. Prerequisite for all courses in education, nine college majors. *Fall, 3:00.*
2. EDUCATIONAL PSYCHOLOGY: A psychological account of the main aspects of the development of the child, with special reference to the educational process. *Spring, 3:00.*
3. THE ENDS AND METHODS OF EDUCATION: A study of education in the light of the purpose it is intended to serve.

SOCIOLOGY AND ECONOMICS.

PROFESSOR FORREST.

ACTING PROFESSOR WOODHEAD.

General Statement. This department offers such introductory courses as are essential to a liberal education, and in addition to these, various more advanced courses which will furnish the student a broad foundation for professional studies or prepare him for graduate work in the social sciences. The city of Indianapolis is the social laboratory of the depart-

ment. While it does not present the complexity of phenomena to be found in some of the larger cities, it is large enough to furnish almost every factor of the most complicated social life; and, indeed, the simpler nature of the society, which yet contains all the elements of cosmopolitan municipal life, makes the city a more desirable field for certain kinds of social investigation than it would be if it were larger.

Courses in Economics.

- [1. ECONOMIC HISTORY: An introduction to the study of the development of commerce and industry, with a somewhat detailed consideration of the causes of the Industrial Revolution and the nature of the industry of the present time. Prerequisite, credit for nine college majors. Must be followed by course 15.]
2. ECONOMICS: A thorough introduction is given to the subject. A text-book will be used, but the student will be expected to compare the views of various important authorities on the more important topics. Prerequisite, credit for nine college majors. *Fall, 9:00.*
- [4. PROBLEMS OF CAPITAL AND LABOR: A study of the growth of large industries and the place and nature of public service and industrial corporations, "trusts," and labor organizations. Consideration will be given to the causes of conflicts between Capital and Labor, the relations of both to the consuming public, questions of taxation, and methods of public control. Prerequisite, course 2.]
- [11. CORPORATION FINANCE: A study of the modern business corporation, its securities and methods of obtaining capital, its distribution of earnings.]
- [12. MONEY AND BANKING: The main interest in this course will be the nature and functions of currency (coin, note and deposit). The various experiments of the United States will be studied in the light of the leading theories of money.

The main features of the banking system, the influence of banks on speculation, their management in financial crises, dangers and safeguards will be discussed. Prerequisite, course 2.]

[13. PUBLIC FINANCE: Taxation will be the principal subject of this course. Leading theories of taxation, the methods employed in various countries, and the national, State and local systems of the United States will be examined. A less minute study will be made of the subjects of public debts and financial administration.]

[14. RAILWAY TRANSPORTATION: A brief study of the evolution of the railway, followed by a more detailed examination of problems of railway consolidation, finance and rate-making. Prerequisite, course 15.]

[15. COMMERCE: A brief survey of the geography of commerce, followed by a study of the economic significance of commerce; the mechanism of commerce, such as railways, banks, etc.; the character of international trade; tariff and colonial policies. Prerequisite, course 1. Must be followed by course 14.]

[16. INDUSTRIAL ECONOMICS: A study of methods of industrial remuneration, and social amelioration. Topics considered are: the increase of earning through modification of the wage system, labor organization, workingmen's insurance, cooperation and profit-sharing.]

17, 18. ADVANCED ECONOMICS: A detailed study of economic theory. Value and Distribution will be the subjects taken up. The course is open only to those who have satisfactorily passed course 2. The course will continue through two terms and only those completing both terms' work will receive credit.

Winter, Spring, 9:00.

Courses in Sociology.

- [3. CHARITIES: A study of the causes of poverty and methods of amelioration, especially those of a voluntary character. The department enjoys the hearty cooperation of the excellent Charity Organization Society of Indianapolis, and is thereby enabled to make a thorough study of the charities of the city. Students will make personal investigation of actual conditions found in the city.]
- [5. ANTHROPOLOGY: A study embracing both Anthropology, in the narrow sense, and Culture-History, intended to give a general understanding of the beginnings and earlier stages of social evolution. Such an examination of the method of social development serves as a basis for advanced historical, sociological and ethical investigation, and for the study of comparative religion. Prerequisite, credit for fifteen college majors.]
- [6. SOCIAL HISTORY: A study of the development of the main elements of modern civilization. The emphasis is laid on the inter-relation of the industrial and ethical lines of development. An investigation is made of the beginnings of civilization in antiquity, the transition from the Graeco-Roman Empire to the medieval period, and the leading movements of the modern period. This course employs in the study of civilized peoples the same method that is used in the preceding course in the study of peoples of lower culture. Prerequisite, course 5.]
- [7. CRIME AND CORRECTION: A study of the social and individual causes of crime and of the various methods proposed for the protection of society and the reformation of the criminal. Students will visit the criminal courts and the penal and reformatory institutions of the vicinity.]
8. GENERAL SOCIOLOGY: This course attempts to reach a general view of social phenomena. It is based on the results

of some of the recent writers on Social Psychology. Prerequisite, credit for fifteen college majors. *Fall*, 11:30.

9. DEVELOPMENT OF SOCIAL PHILOSOPHY: An examination of the principal attempts to interpret social phenomena, from Plato to Comte. Lectures, readings, reports.

(a) A study of the social theories of the Greeks and Romans.

(b) A study, continuous with the preceding, of the social theories of the Medieval and Renaissance periods. Prerequisite, course 8. *Winter*, 11:30.

10. CONTEMPORARY SOCIAL PHILOSOPHY: An examination of the principal sociological contributions since Auguste Comte, with especial emphasis upon the work of living writers. This course is intended to be an introduction to general sociology, since it takes up most of the important attempts to interpret society. Prerequisite, course 9. *Spring*, 11:30.

- [19. MODERN CITIES: The growth of the modern city and the resulting physical and social conditions. A comparative study of the social functions and activities of American and European cities.]

- [20. SOCIAL FORCES IN ENGLISH ROMANTICISM: This course deals with the English Romantic movement from a social and literary point of view. The former phase of work is considered in lectures on the different social and political forces in the literature at that time; the latter side of the work consists chiefly of a study, more or less minute, of the prominent authors of the Romantic movement.]

POLITICAL SCIENCE AND JURISPRUDENCE.

PROFESSOR FORREST.

ACTING PROFESSOR WOODHEAD.

General Statement. The courses in this department provide instruction in the principles of government and of jurisprudence. These courses are adapted to the requirements

of liberal education, and furnish a foundation for specialization in Political Science or for the more technical studies of the law school. None of the ordinary courses of the latter institution are offered by this department.

Courses in Political Science.

1. AMERICAN POLITICS: A study of the national, State, and local political institutions of the United States. Prerequisite, 7 college majors. *Fall, 10:30.*
- 2 A. PROBLEMS OF MUNICIPAL GOVERNMENT: A comparative study of the charters and practical workings of the municipalities of Indianapolis, St. Louis, Chicago, New York, Glasgow, Birmingham, Manchester, London, Paris, Hamburg, Berlin. Particular attention will be paid to methods of control of public works. Prerequisite, course 1. Must be followed by course 2 B. *Winter, 10:30.*
- 2 B. MUNICIPAL PROBLEMS IN AMERICA: A detailed study of American municipal government, with especial reference to problems in organization and administration. Prerequisite, courses 1 and 2 A. *Spring, 10:30.*
- [3. CONSTITUTIONAL LAW: A study of the leading principles of American constitutional law, based upon an examination of important cases. Prerequisite, course 1.]
- [4. INTERNATIONAL LAW: A study of the leading principles of international law and an examination of important cases illustrative of those principles. A number of recent cases in which the United States has been interested will receive particular attention. Prerequisite, courses 1 and 2.]
- [5. ROMAN LAW: Lectures on the history of the Roman Law, followed by a study of the text of Justinian's Institutes. This course is intended to serve as an introduction to the principles of jurisprudence. The subject is fundamental to a

thorough study of law. Prerequisite, credit for twelve college majors, including course 1.]

- [6. **HISTORY OF AMERICAN DIPLOMACY:** A review of all the leading diplomatic events in American history, including a somewhat detailed study of treaties and correspondence relating to the more important points in international law and diplomacy.]
- [7. **GOVERNMENT OF DEPENDENCIES:** An examination of important systems of colonial and territorial government, such as those found in American territories, the British self-governing colonies, and various colonies inhabited by inferior races. Prerequisite, course 1.]

HISTORY.

PROFESSOR COLEMAN.

General Statement. The plan of the courses in History provides for two outline courses in the history of European civilization, to be followed, if the student so elects, by a more detailed and thorough study of selected epochs and important movements. The two outline courses, 1 and 2, are fundamental and must precede all others both in General and in Church History except courses 4 and 5 in Greek and Roman History. With this exception, also, no courses in History are open to students who have done less than nine majors of college work. All courses except 1 and 2 vary from year to year so as to allow continuous work in the department without repetition.

Courses in History.

1. **MEDIEVAL EUROPE:** An outline course upon the history and institutions of Europe during the Middle Ages. Instruction is given by lectures, text-book and collateral reading. Prerequisite, nine majors of college work. *Fall, 11:30.*

2. MODERN EUROPE: An outline course upon the development and spread of European civilization from about 1450 to 1850, continuing course 1. Prerequisite, course 1. *Winter, 11:30.*
3. CONTEMPORARY EUROPE: A study of the internal condition and international relations of the leading countries during the last two generations, 1850-1905. Prerequisite, courses 1 and 2. *Spring, 11:30.*
- [4. GREEK HISTORY: A short survey of Greek History and of Hellenism down to the beginning of the Christian Era.]
- [5. ROMAN HISTORY: A study of the history, institutions and civilization of the Empire from Augustus to Diocletian.]
- [6. GERMANY DURING THE REFORMATION: A study of the political, religious and social movements in Germany from Luther's theses (1517) and the election of Charles V (1519) to the peace of Augsburg (1555.) Prerequisite, courses 1 and 2.]
8. THE FRENCH REVOLUTION: A study of the causes and nature of the French Revolution, together with the changes of government resulting from it, 1789-1815. Prerequisite, course 1 and 2. *Fall, 2:00.*
- [10. ENGLAND FROM THE TIME OF THE TUDORS: The development and expansion of modern England, 1485-1900. Prerequisite, course 1.]
- [13. AMERICAN COLONIAL HISTORY: The discovery and exploration of America, and the history of the English colonies to the close of the French and Indian War.]
- [14. THE FORMATION OF THE AMERICAN NATION, 1760-1829.]
- [15. NATIONAL EXPANSION AND DIVISION: The history of the United States from 1829 to 1865, territorial and industrial expansion, immigration, the growth of the free-labor and of the slave systems, conflicting political theories, Civil War. Prerequisite, courses 1 and 2.]

16. HISTORY OF THE UNITED STATES SINCE 1865: A study of reconstruction and of recent political development.
Winter, 2:00.
19. LOCAL AND INDIANA HISTORY: Immigration and changes of population, political development and parties, means of communication, prominent men, school system, State institutions, etc. A seminar for advanced work, open to advanced students only.
Spring, 2:00.

BIBLICAL LITERATURE IN ENGLISH.

PROFESSOR HALL.

PROFESSOR ———.

General Statement. These courses are intended to give the college student an introduction to the study of the English Bible. Candidates for the A. B. degree may elect three majors in this department, and they are urged to do so as early as possible in the college course. Special ministerial students should consider these courses fundamental to all others which they may desire to pursue. Work in this department is not credited toward a graduate degree.

Courses in Old Testament Literature.

1. THE HEXATEUCH: A non-technical study of the first six books of the Bible.
Fall, 8:00.
2. THE HISTORICAL BOOKS: A study of the history of Israel, based directly on the reading and comparison of the historical books.
Winter, 8:00.
3. THE PROPHETICAL BOOKS: The origin, growth, and character of Hebrew prophecy.
Spring, 8:00.

New Testament Literature.

1. THE PAULINE LETTERS.
Fall, 8:00.
2. THE SYNOPTICAL GOSPELS.
Winter, 8:00.

3. THE JOHANNINE GOSPEL AND LETTERS.

Spring, 8:00.

NOTE.—Either the courses in the Old Testament or those in the New will be offered, but both series will not be offered in the same year.

BIOLOGY.

PROFESSOR BRUNER.

General Statement. This department aims (1) to meet the demands of liberal education, and (2) to prepare students for teaching, investigation and medicine. The elementary courses in zoology and botany are designed partly to meet the first demand and partly to furnish a basis for more advanced work.

The method of instruction recognizes the value both of the ideas of science and of discipline; it emphasizes general principles, and at the same time encourages the acquisition of the methods and habits of scientific investigation. Lectures and recitations go hand in hand with practical work, in which each student is required to make a faithful record of his observations.

To meet the requirements for graduation either botany (courses 1, 2, 3), or zoology (courses 1, 2, 3), may be elected. In all cases three continuous courses must be taken to receive credit, but students from other colleges may offer an equivalent for one or more of these courses.

A laboratory fee of three dollars per term is charged in all cases, excepting courses 7, 13, 14, for which the charges are indicated below.

NOTE.—Courses 1 and 2 in botany will not be given in 1908-'09.

Courses in Zoology.

1. **ELEMENTARY ZOOLOGY:** (a) General introduction. The most important characteristics of living matter; structure and properties of the cell; origin of tissues and organs.

(b) An outline of the structure, functions and classification of Protozoa, sponges, Coelenterata, worms.

Fall, 10:30-12:30.

2. **ELEMENTARY ZOOLOGY** (continued): Molluscoidea, Arthropoda, Mollusca, Echinodermata. *Winter*, 10:30-12:30.

3. **ELEMENTARY ZOOLOGY** (continued): (a) The vertebrate type and its chief modifications; laboratory work on Amphioxus, dogfish, frog, lizard, pigeon, mammal.

Outline of the theory of evolution. *Spring*, 10:30-12:30.

4. **MICROSCOPICAL METHODS**: A study of the methods and processes employed in microscopical investigation, with practical work in the preparation of various kinds of material. Special attention is given to fixation, staining, section cutting, mounting, methods of reconstruction, etc. Prerequisite, courses 1, 2, 3.

Fall—Lectures, Laboratory. Hours to be arranged.

5. **HISTOLOGY**: A study of the minute anatomy of a typical mammal. A general survey of instruments and methods is followed by a systematic treatment of the tissues and organs. Prerequisite, courses 1, 2, 3.

Winter—Lectures, Laboratory. Hours to be arranged.

6. **EMBRYOLOGY OF VERTEBRATES**: Lectures on segmentation, the formation of the germ layers and the development of organs; practical study of the chick, frog and pig. Must be preceded by course 5.

Spring—Lectures, Laboratory. Hours to be arranged.

7. **COMPARATIVE ANATOMY OF VERTEBRATES**:

(1) A review of the classification and development of vertebrates.

(2) A study of physiological mechanisms—skeleton, muscular system, nervous system, sense organs, respiratory systems, urinogenital systems, etc.

Open to students who have taken courses 1, 2, 3.

Laboratory fee, four dollars.

Weidersheim and Parker's Comparative Anatomy of Vertebrates. Hours to be arranged.

8. MAMMALIAN ANATOMY: This course is intended for students who desire an acquaintance with the structure of the mammalian body as a preparation for work in physiology, anatomy and medicine. Prerequisite, course 7. Reighard and Jennings's Anatomy of the Cat. Hours to be arranged.
9. ANATOMY AND PHYSIOLOGY OF THE NERVOUS SYSTEM AND SENSE ORGANS: An elementary course on the structure and functions of the nervous system and sense organs of man and mammals. *Major*. Prerequisite, course 8. Hours to be arranged.
- 10, 11, 12. SPECIAL WORK: Students who have had sufficient preliminary training will be assigned special problems in histology, embryology or vertebrate anatomy. Daily through year.
13. PHYSIOLOGY: A course in human physiology, including recitations, demonstrations and practical exercises in the laboratory. A fee of one dollar and fifty cents is charged. Prerequisite, zoology 3. *Winter, 9:00.*
14. ELEMENTARY PHYSIOLOGY: For students who can meet the prerequisites of the preceding course. This course will count as a minor for students of college grade. Thornton's Physiology. Laboratory fee, one dollar and fifty cents. *Winter, 9:00.*

NOTE.—Only one of courses 13 and 14 will be given.

Courses in Botany.

- [1, 2. ELEMENTARY BOTANY: These courses deal with the larger groups of plants—algæ, fungi, liverworts, mosses, ferns, seed-plants—whose general characteristics are illustrated by the

study of typical forms. In connection with the above, particular attention is given to cell structure, the differentiation of cells and tissues, the origin of sex, alternation of generations and the significance of the seed. *Fall and Winter.]*

3. **ELEMENTARY BOTANY—ECOLOGY:** A study of the adaptations of plants to their physical environment and to other organisms, including the modification of plant structures under changing conditions, and the origin and development of plant societies. An elementary course for teachers and general students. Instruction is given by means of lectures, lantern views, laboratory exercises and field work.

Spring—Lectures, Laboratory, 2:00-4:00.

CHEMISTRY.

PROFESSOR MOORE.

General Statement. The courses offered in this department are primarily designed to meet the wants (1)* of those desiring a general knowledge of the subject, and (2) of those feeling the need of more advanced work in order to prepare themselves for research work, teaching, medicine, chemical engineering or other professions.

The instruction is given by means of lectures, recitations and laboratory work. The lectures are fully illustrated by numerous classroom experiments, and are supplemented by recitations, written exercises, written examinations, problems and laboratory work.

The equipment of the department is good. The lecture-room is fully supplied with apparatus and all of the modern facilities for the experimental illustration of the different lecture courses. The laboratories are well furnished, being conveniently arranged and supplied with tables, reagents, gas, water, hoods, and all the necessary facilities to enable the student to carry on the lines of work laid out in the several courses. To each student is assigned his own desk, with separate outfit of apparatus and chemicals.

Courses.

- 1, 2, 3. GENERAL INORGANIC CHEMISTRY: Elementary. The non-metals and metals. Lectures, recitations and laboratory work. The lectures, which are fully illustrated by experiments, are devoted to a discussion of the facts and theories of chemistry, to the use of symbols, formulæ and equations, and the solving of chemical problems, together with the history, occurrence, preparation and properties of the elements and their principal compounds. In the laboratory special attention is given to training the student in inductive reasoning as applied to chemical work. It is recognized that while the accumulation of chemical facts is of importance, careful observation and the correct interpretation of the phenomena observed are of much greater importance.

Fall, Winter, Spring—Lectures, Tues., Sat., 2:00. Laboratory, Wed., Thurs., Fri., 2:00-4:00.

- 4, 5. QUALITATIVE ANALYSIS: Lectures, recitations and laboratory work. A systematic course in qualitative analysis, including a comparison of the different methods of separation and identification of inorganic substances, both in solution and in the dry condition. The ionic theory and the law of mass action, as applied to the work in this course, are fully discussed. Prerequisite, courses 1, 2, 3, or their equivalent.

Fall, Winter, 10:30-12:30.

6. INORGANIC PREPARATIONS: Lectures, recitations and laboratory work. The preparation of some of the more important inorganic compounds, including a study of those conditions under which the largest quantitative yield may be obtained. Prerequisite, courses 1, 2, 3, or their equivalent.

Spring, 10:30-12:30.

- 7, 8, 9. QUANTITATIVE ANALYSIS: Lectures, recitations and laboratory work. An introduction to quantitative methods and the chemistry upon which those methods are based. Analysis of salts, alloys, commercial products, etc., by gravimet-

ric, volumetric and electrolytic methods. Prerequisite, courses 3, 4, 5, or their equivalent. Hours to be arranged.

[10, 11, 12. GENERAL ORGANIC CHEMISTRY: Lectures, recitations and laboratory work. The principles of organic chemistry, together with the preparation and the study of the properties of a series of typical compounds of carbon. This course is especially recommended to those desiring a good general knowledge of elementary organic chemistry. Prerequisite, courses 1, 2, 3.]

13. GAS ANALYSIS: The measurement of gases and vapors, and the quantitative analysis of gaseous mixtures. Prerequisite, courses 8, 9. *Spring.* Hours to be arranged.

14. ADVANCED QUANTITATIVE ANALYSIS: A continuation of course 9, in which special attention is paid to electrolytic methods of analysis. *Fall.* Hours to be arranged.

[15. RADIO-ACTIVITY: Lectures, experimental work and recitations on the radio-active types of matter and atomic disintegration. Hours to be arranged. *Winter.*]

[16, 17, 18. SPECIAL WORK: Students who have had courses 1 to 12, inclusive, or their equivalent, will be assigned special work in inorganic chemistry or analytical work. Daily through the year.]

The laboratory fee for courses 1, 2, 3, is three dollars; for all others courses it is four dollars. These fees are for each term, payable in advance. The more expensive chemicals, breakage and other damage to apparatus will be charged extra.

PHYSICS.

PROFESSOR MOORE (in charge).

General Statement. The courses offered in this department aim to present the subject of General Physics in a more thorough, careful and extended manner than is the case in an elementary presentation of the subject. The instruction is given by means of text-books and lectures, which are fully illustrated by numerous classroom experiments, and are supplemented by laboratory work, recitations, written examinations and the solution of problems. Taken together, the courses offered are equivalent to one year's work, and are so arranged as to enable a student to take them all if he so desires. They are open only to those who have had Elementary Physics (see Entrance Requirements), and course 1 in Mathematics. A laboratory fee of three dollars per term is charged.

Courses.

[1. GENERAL PHYSICS—Mechanics and Heat.

Mechanics—Laws of Motion; Falling Bodies; Projectiles; Statics; Energy; Moment of Inertia; Hydrostatics; Capillarity; Hydraulics, etc.

Heat—Nature; Sources; Distribution; Effects; Calorimetry; Thermo-dynamics, etc.]

[2. GENERAL PHYSICS—Sound and Light.

Sound—Nature; Sources; Reflection; Intensity; Interference; Pitch; Quality; Harmony, etc.

Light—Nature; Sources; Reflection; Refraction; Polarization; Interference; Dispersion; Color, etc.]

[3. GENERAL PHYSICS—Magnetism and Electricity.

Magnetism—Magnets; Polarity; Induction; Lines of Force, etc.

Electricity—Frictional; Voltaic; Effects of Electric Currents; Electrical Qualities; Electro-dynamics, etc.]

GEOLOGY AND PHYSICAL GEOGRAPHY.

PROFESSOR BRUNER (in charge).

General Statement. The instruction offered in this department is intended as an introduction to the entire field of geological science. The subject-matter of the course is believed to include that which is most interesting to the student, and at the same time most valuable to the average citizen. The collections in the museum are of great value for illustration of the work outlined below.

Courses.

1. **ELEMENTARY GEOLOGY:** (a) The dynamical agencies and their work, as illustrated in denudation, earthquakes, volcanoes, coral reefs and islands, glaciers, etc.
(b) The structure of the earth's crust; stratified, igneous and metamorphic rocks; origin of mountains; faults, dykes, mineral veins.
(c) Historical Geology. The development of the North American continent; the evolution of the life of the globe. Scott's Introduction to Geology. *Fall, 9:00.*
2. **PHYSIOGRAPHY:** A study of the origin and development of land forms and of the influence of the physiographic factor on the distribution and activities of mankind. One hour daily, with excursions. *Fall, 9:00.*

NOTE.—Only one of these courses will be given.

MATHEMATICS AND ASTRONOMY.

PROFESSOR JOHNSON.

General Statement. The work in mathematics is arranged with a view to the interests (1) of those who desire to pursue mathematics as a means of general culture, and because of the valuable mental discipline which it affords, (2) of

those who wish to use mathematics as an instrument in the study of the physical sciences, and (3) of those who intend to become teachers and investigators in mathematics.

The courses in mathematics outlined below may be roughly divided into elementary and advanced. By elementary courses are meant the courses in geometry, trigonometry, higher algebra, analytic geometry, differential and integral calculus. These courses are necessary in preparation for all the other courses given in mathematics.

While the more advanced courses are not given each year, they vary from year to year in such a way that a student may receive continuous instruction in mathematics for five or six years.

The courses in astronomy are designed (1) for the general student, (2) as a basis for advanced work in theoretical and practical astronomy. The courses in mechanics show the application of calculus to physics and prepare the student for advanced theoretical physics and celestial mechanics..

Students who do not offer solid geometry for entrance to college may receive college credit for course A. It is, however, recommended that solid geometry be included among the elective units offered for entrance

Courses in Mathematics.

- A. SOLID GEOMETRY: The usual theorems and constructions, including the relations of planes and lines in space; the properties of prisms, pyramids, cylinders, cones and spheres; numerous original exercises. *Spring, 3:00.*
1. PLANE TRIGONOMETRY: After developing the fundamental principles, many exercises are given to furnish drill in the application of the formulas to the solution of problems. *Fall, 8:00.*
2. ADVANCED ALGEBRA: Besides a brief review of the quadratic equation, this course includes permutations, combinations, logarithms, theory of equations, application of the principle

of mathematical induction, determinants, Horner's method of solving numerical equations, elements of the theory of complex numbers and the algebraic solution of the general cubic and biquadratic equations. *Winter, 8:00.*

3. ANALYTICAL GEOMETRY: The application of algebra to geometry. The conic sections and their equations receive most attention. A little time is given to solid geometry. Prerequisite, course 1. *Spring, 8:00.*
4. DIFFERENTIAL CALCULUS: Since this is a decidedly new field to the student, the transition is made cautiously. This is largely a drill course, but aims at vigor in the treatment in so far as seems desirable in beginning this subject. Prerequisite, courses 1, 2, 3. *Fall, 11:30.*
5. DIFFERENTIAL AND INTEGRAL CALCULUS: Continuation of course 4, about eight weeks being devoted to the differential and four weeks to the integral calculus. *Winter, 11:30.*
6. INTEGRAL CALCULUS: Continuation of course 5. Considerable attention is given to applications of calculus to geometry and mechanics. *Spring, 11:30.*
7. DIFFERENTIAL EQUATIONS: This course deals with the methods of solution of the simpler ordinary and partial differential equations, many of which occur in works on advanced physics. Prerequisite, course 6. *Fall, 10:30.*
- [8. THEORY OF EQUATIONS: A course devoted to the general properties of equations, determinants, transformation of equations, symmetric functions and the complex variable. Prerequisite, course 6. *Fall.]*
- [9. THEORY OF EQUATIONS: Continuation of course 8. *Winter.]*
- [10. SOLID ANALYTICAL GEOMETRY: In this course calculus is applied to the study of surfaces. Prerequisite, course 6. *Spring.]*

11. ADVANCED DIFFERENTIAL CALCULUS: Based on Byerly's Differential Calculus. Prerequisite, course 6. *Winter, 10:30.*
12. ADVANCED INTEGRAL CALCULUS: Byerly's Integral Calculus, supplemented by lectures. The topics studied are imaginaries, definite integrals, multiple integrals, elliptic integrals, and elements of functions of a complex variable. Prerequisite, course 10. *Spring, 10:30.*
- [13. THEORY OF FUNCTIONS: This course deals with conformal representation, infinite series, singular points of analytic functions, and particularly with algebraic functions. Prerequisite, course 11. *Winter.]*
- [14. THEORY OF FUNCTIONS: Continuation of course 13.]
- [15. PROJECTIVE GEOMETRY: The geometry of the projective group in the plane and in space is studied by both the analytic and synthetic methods; applications to non-euclidian geometry. Prerequisite, course 11. *Spring.]*

Courses in Astronomy and Mechanics.

1. GENERAL ASTRONOMY: This course is designed for those who desire to pursue the work as part of a liberal education. Requires no mathematical preparation. The telescope will be used in connection with the study of the solar and stellar systems. *Fall, 2:00.*
- [2. GENERAL ASTRONOMY: Continuation of course 1. *Winter.]*
- [3. ELEMENTARY MECHANICS: Kinematics, statics and kinetics will be studied in their elementary forms without the knowledge of calculus. Prerequisite, Mathematics 1. *Spring.]*
4. ANALYTIC MECHANICS: Statics and dynamics. The application of calculus to determine the state of a system of particles or of rigid bodies. Prerequisite, Mathematics 6. *Winter.*

5. ANALYTIC MECHANICS: Continuation of course 4. Problem work is an important feature of this course. *Spring.*
- [6. INTRODUCTION TO CELESTIAL MECHANICS: The problem of two and three bodies will be considered. Also the method of determining the elements of an orbit. Prerequisite, Mechanics 4, 5. *Fall.]*

ORATORY AND DEBATING.

MR. SIMS.

- 1, 2, 3. ELOCUTION: Exercises in vocal culture, breathing, position and technique of gesture; pronunciation and emphasis; elements of quality and force, with their application; elements of pitch and time, with illustrations; delivery of short extracts from masterpieces of oratory. Text-book, Fulton and Trueblood's Practical Elocution.

Fall, Winter, Spring, Tuesday, Friday, 3:00.

- 4, 5, 6. STUDY OF GREAT ORATORS: This course will deal specially with the structure and composition of the oration. Lectures on methods of public address and sources of power will be given. Study of representative orations; structure of the oration; preparation and delivery of speeches. A specially prepared program for each class session will be prepared and posted in advance, so that students may have ample time in which to prepare the special assignments made to them. The program for each day will include: A twelve to fifteen minute oration previously prepared by a designated member of the class and committed to memory and delivered; a written biographical sketch of the orator under discussion; a critical study, in writing, of the orator's style and characteristics of oratory; a brief of one of the orator's masterpieces and discussion; a selection from one of his orations committed to memory and delivered in class; and a brief review and estimate of some book or article dealing with the art of public address. No text-book.

Fall, Winter, Spring, Tuesday, Friday, 2:00.

7, 8, 9. **DEBATING:** Study and application of the principles of argumentation; preparation of briefs; leading questions of the day debated in class. The questions for debate will be selected and posted in advance, and the class subdivided into teams, affirmative and negative, pitted against each other, each debate being conducted in the same manner as an intercollegiate debate, both initial speeches, carefully prepared and committed to memory, and extempore rebuttal speeches, being given by each member of the teams engaged in the debate. This course is designed to develop skill in argumentation and readiness in extempore speaking. It is recommended especially to ministerial students and those desiring to enter the intercollegiate debates. Text-book, Alden's Art of Debate.

Fall, Winter, Spring, Wednesday, 2:00-400.

NOTE.—Courses 1, 2, 3 are prerequisites for courses 4, 5, 6, or 7, 8, 9, respectively. Term credits: 4 hours, minor; 6 hours, major.

PHYSICAL CULTURE.

JOHN MCKAY, Director.

General Statement. The department of Physical Culture is designed to promote the best health of the individual, to enable him to coordinate muscular movements more quickly and gracefully, to provide for greater physical symmetry, and to inculcate a knowledge of the functions of his own body. To facilitate these ends a modern college gymnasium has been provided, well equipped with necessary apparatus and furnished with good dressing rooms, lockers and shower baths. The gymnasium building is under the complete supervision of a competent director, or his assistant, in whose absence the building will be closed. All practical work in the department is hygienic, corrective, pedagogical and recreative in nature, and six terms' work are required for graduation, three of which must be taken in either the Freshman or Sophomore year.

Students debarred from exercise by some physical disability or continued medical treatment will be required to furnish a certificate from some reputable physician, stating nature of disability, length of time student has been under medical treatment, and definite reasons for acceptance of excuse. These certificates must be presented to the director in charge of the department at the beginning of each term, the College reserving the right to accept or reject them, if the above requirements are not fulfilled, or if, upon investigation, the student is judged capable of taking the work. Provision will be made for special work for any student incapable of taking regular course work, the director co-operating with the physician in endeavoring to secure the best results for the student.

Gymnastic costumes will be required of all students taking work in the Department of Physical Culture. These must be worn during all class exercises, and no student will be allowed on the gymnasium floor unless clad in the regulation costume. The costume of the young ladies will consist of bloomers and blouse (or sweater), preferably of some dark material, and gymnasium shoes. The costume of the young men will consist of the regulation Turner trousers, quarter sleeve Jersey shirt and gymnasium shoes, costing in all about \$2.50.

Courses.

- 1 a. Required course for men.....Wednesday, Friday, 9:00
- 1 b. Required course for men.....Wednesday, Friday, 10:30
- 1 c. Required course for men.....Wednesday, Friday, 11:30
- 1 d. Required course for men.....Wednesday, Friday, 2:00
- 2 a. Required course for women.....Tuesday, Thursday, 9:00
- 2 b. Required course for women.....Tuesday, Thursday, 10:30
- 2 c. Required course for women.....Tuesday, Thursday, 11:30
- 2 d. Required course for women.....Tuesday, Thursday, 2:00
3. Elective course for men.....Wednesday, Friday, 3:00
4. Elective course for women.....Tuesday, Thursday, 3:00

SCHOOL OF MINISTERIAL EDUCATION

It is the purpose of the College to establish a Graduate Divinity School, but it is not possible to present a full program of ministerial instruction at this time. A certain portion of the endowment of the institution is set apart for the education of ministers, and as the funds increase additional instructors will be appointed and additional facilities offered.

Meanwhile, all courses which are of special importance in ministerial education are grouped in this School. The degree of B. D. will not be granted until further notice; but graduates of Butler College, or of other colleges maintaining the same requirements for the A. B. degree, will be granted the degree of A. M. on the completion of nine major courses in this School, selected with the approval of the College Adviser and the Dean, and on compliance with the other requirements for this degree as stated on pages 37, 38, of the College catalogue.

In addition to graduate students, the School offers its instruction to mature persons who desire special courses, but who are unable to pursue a regular college course. Such special students are admitted to such courses only as their previous preparation may enable them to pursue with profit. Special students must comply with the regulations of the College as stated on page 39 of the College catalogue.

Undergraduates are not encouraged to begin their ministerial studies until they have completed their work in the regular academic departments of the College. However, certain courses offered by this School will be credited toward the A. B. degree. For the year 1908-'09 the following rules will be observed:

1. Undergraduates may elect three major courses in the department of Biblical Literature in English at any time in their course.

2. Undergraduates who are credited with eighteen college majors may elect six major courses in this School; but the

courses so elected must not be from among those which are expressly noted as not to be credited to college students.

3. With the consent of the Adviser, undergraduates may register for other courses in this School; but no college credit will be given in such cases, nor will these additional courses be credited toward a graduate degree.

4. Students who expect to become candidates for the B. D. degree may present for that degree the six majors elected in this School under rule 2, and also credits for courses in charities and corrections in the department of Sociology, and in philosophy of religion in the department of Philosophy; but no more than nine majors in all will thus be accredited toward the higher degree.

A record is kept of all courses completed in this School, whether accredited toward a degree or not; and, on request, a certificate will be given to the student showing the courses which he has completed.

Students in this School are subject to all regulations as to fees, conduct, etc., set forth in the College catalogue.

For courses in Sociology and Philosophy, and also for courses preliminary to those offered in this School, see announcement of the academic departments of Butler College.

HOMILETICS AND THEOLOGY.

PROFESSOR HALL.

General Statement. In this department instruction will be given in the preparation and delivery of sermons. Students will, in addition to courses in Homiletics in the most approved text-books, be required to prepare outlines of sermons. A general introduction to theology and systematic courses in Christian doctrine will also be given.

Instruction will also be given in the practical management of churches and pastoral care. The subjects of city evangelization and of home and foreign missions will be taught both in the classroom and by institutes and lectures.

Courses.

1. GENERAL INTRODUCTION TO THEOLOGY: The object of this course is to furnish an outline of the various departments of theology; to define their nature, mutual relations, aim and boundary lines; to show their respective functions and values, together with the best methods of their study, and the bibliography of the subjects. The student will thus acquire a general view of the subjects which will engage his attention as he passes through his theological preparation for the work of the ministry, and so be the better prepared from the first to estimate the importance and relation of these studies. Not credited toward the A. B. degree. *Fall, 2:00.*
2. CHRISTIAN THEOLOGY: The object of this course will be to make the student acquainted with sources and methods of the study, and especially to emphasize the importance of the scriptural material bearing on the doctrine of God, of man, of Christ, of the Holy Spirit and of the Last Things. A suitable text-book will be used in connection with lectures, and constant references will be made to the bibliography of the subjects. Not credited toward the A. B. degree.
Winter, 2:00.
3. HOMILETICS AND PASTORAL THEOLOGY: The preparation and delivery of sermons will be taught with the aid of a text-book. Analysis and criticism of masterpieces, original plans and sermons will be required, which will be criticised by the instructor. The study of pastoral theology will be conducted with a text-book, supplemented by lectures on "Modern Methods in Church Work," "City Evangelization," "The Bible School," etc. The student will make investigations of the forms of organization and methods of work in the different denominations, both Roman Catholic and Protestant. Not credited toward the A. B. degree.
Spring, 2:00.

CHURCH HISTORY.

PROFESSOR COLEMAN.

General Statement. One general outline course and a number of courses in which particular periods of Church History are considered, are offered. Students are recommended to take as much work in General History as possible before they take any of the work in Church History except course 11. With the exception of this last course, courses 1 and 2 in General History must precede any work in this department.

Courses.

1. **OUTLINE OF CHURCH HISTORY:** This course will constitute an introduction to the study of Church History. The aim will be to get an orderly, systematic and connected view of the entire field of Church History, its epochs and turning points, its leading movements, events and characters. The instruction will be for the most part by lectures and by references to the literature of the subject. Prerequisite, two majors of college work in history. *Winter, 10:30.*
- [2. **ANTE-NICENE CHRISTIANITY:** The origin of Christianity in history, the Apostolic age, spread of the Christian religion, development of doctrine and organization, to the time of Constantine. Prerequisite, two majors of college work in history. Not credited toward the A. B. degree.]
- [3. **EARLY CHRISTIAN LITERATURE:** Advanced work in the writings of the Ante-Nicene Fathers. Not credited toward the A. B. degree.]
- [4. **THE CHURCH OF THE EMPIRE.]**
- [6. **CHRISTIANITY IN THE MIDDLE AGES:** The rise, supremacy and decline of the papacy; the conversion of northern and western Europe; the spread and influence of monasticism; scholasticism and the development of doctrine; religious life in the Middle Ages. Prerequisite, course 1.]

- [7. THE PROTESTANT REFORMATION: See course 6 in History.]
- [8. THE REFORMATION IN ENGLAND AND SCOTLAND.]
- [9. STUDIES IN CHRISTIAN BIOGRAPHY: A careful study of the life and work of great leaders of the Church and of religious movements.]
- [10. HISTORY OF CHRISTIAN DOCTRINE: The belief of the Church as expressed by theologians and councils; heresies and their significance; the great changes of Christian thought. Not credited toward the A. B. degree.]
11. HISTORY OF MISSIONS: This course will treat briefly of the scriptural basis of missions, of the conversion of the Roman Empire, and of the Teutonic and Slavic peoples, of the prominent missionaries during the Middle Ages, and of Roman Catholic and Protestant missions after the Reformation. Special attention will be given to biography and to modern methods of mission work. *Spring, 10:30.*
12. HISTORY OF NEW TESTAMENT TIMES: A study of the life of the Jewish people and their surroundings from the time of the Maccabees to the fall of Jerusalem, with special consideration of the beginning of Christianity. *Fall, 10:30.*

OLD TESTAMENT LITERATURE AND INTERPRETATION.

PROFESSOR _____.

General Statement. It is the purpose of this department to enable the student to obtain a practical knowledge of the Hebrew language, and an introduction to the more important problems of Old Testament literature and thought. By close application the student may gain a reading knowledge of the language in a comparatively short time; and by faithful work in the more advanced courses the student will lay the foundations of a scientific method which will enable him to carry on investigations for himself.

For the year 1908-'09 definite announcement is made of the first three courses in the Hebrew language only.

Courses.

1. GRAMMAR: A detailed inductive study of the Hebrew text of Genesis i-iii, as a basis for the mastery of the simpler grammatical forms and the elements of syntax. Text-books: Harper's Elements of Hebrew, and Harper's Introductory Hebrew Method and Manual. *Fall, 10:30.*
2. GRAMMAR AND TRANSLATION: The reading of Genesis iv-viii, accompanied by the continued study of the grammar, with special emphasis on the weak verb, followed by the more rapid reading of selected passages of easy historical Hebrew, with occasional exercises in sight reading. *Winter, 10:30.*
3. TRANSLATION: Rapid reading in the historical books, and the acquisition of a vocabulary embracing most of the words of frequent occurrence in the Old Testament. One hour a week will be given to sight reading and one hour to careful grammatical work. *Spring, 10:30.*
4. DEUTERONOMY AND AMOS: The study of Deuteronomy will embrace the reading of a considerable part of the Hebrew text and a study of the contents of the book and its place in the religion and literature of Israel. *Fall, 11:30.*
5. THE LEVITICAL CODE: Reading and study of Leviticus and related material with reference to the origin and contents of the book, and to the work of Ezra. *Winter, 11:30.*
6. PROPHECY: A study of prophecy based on the classification of the prophetic material according to periods, the work of the prophet, and the principal ideas of prophecy. *Spring, 11:30.*
- [7. THE PSALTER: The formation of the Psalter; characteristics of the Psalms as to style and authorship; critical translation of selected Psalms.]

- [8. INTRODUCTION TO OLD TESTAMENT LITERATURE: A study of the authorship, date, historical setting and structure of the books of the Old Testament, with a brief survey of the history of the canon. Not credited toward the A. B. degree.]
- [9. OLD TESTAMENT THEOLOGY: A general survey of the theological conceptions of the Old Testament in relation to the historical setting. Not credited toward the A. B. degree.]

NEW TESTAMENT LITERATURE AND INTERPRETATION.

PROFESSOR HALL.

General Statement. The Greek Grammar of the New Testament will be inductively taught upon the basis of the New Testament itself. Thorough as well as cursory reading of the Greek Testament will be required, and such a general working knowledge of the New Testament will be imparted as will enable the student further to pursue his studies systematically. Instruction in the doctrines of the New Testament and its homiletical value will not be neglected. Some idea of the state of the world at Christ's coming, of the literature then influencing mankind, and especially the Hebrew people, and a general knowledge of the life of Christ and the early day of Christianity, will be given. It is not so much the purpose to impart knowledge as to teach the student how to acquire the knowledge for himself.

Courses in New Testament.

1. NEW TESTAMENT GREEK GRAMMAR: A strictly linguistic study of the peculiarities of New Testament Greek. Reading of selected passages. Prerequisite, two years of classical Greek. This course is prerequisite to the following courses in New Testament Greek. *Fall, 9:00*
2. THE SYNOPTIC GOSPELS: The reading of the Greek text and careful exegetical study. *Winter, 9:00.*

- [3. THE GOSPEL AND EPISTLES OF JOHN: An exegetical study of the Greek text. The aim of this course is to enable the student to familiarize himself with the vocabulary and teaching of the Gospel and Epistles of John. *Winter.*]
4. THE PAULINE EPISTLES: The reading of the Greek text, special study of Romans and of the great words which Paul employs in this epistle. *Spring, 9:00.*
5. NEW TESTAMENT THEOLOGY—THE SYNOPTICS: A study of the teachings of Jesus as recorded in the first three Gospels. Should be preceded by course 2. Not credited toward the A. B. degree. *Fall, 10:30.*
6. NEW TESTAMENT THEOLOGY—PAUL: A study of the leading ideas of the Apostle Paul, as described in his epistles. Not credited toward the A. B. degree. *Winter, 10:30.*
7. NEW TESTAMENT THEOLOGY—JOHN: A constructive study of the writings of John. Not credited toward the A. B. degree. *Spring, 10:30.*
- [8. ACTS OF THE APOSTLES.]
- [9. NEW TESTAMENT INTRODUCTION: A study of the authorship, date, historical setting and structure of the books of the New Testament, with a brief survey of the history of the Canon. Not credited toward the A. B. degree.]

Biblical Literature in English.

PROFESSOR HALL.

PROFESSOR _____.

General Statement.

These courses are intended to give the college student an introduction to the study of the English Bible. Candidates for the A. B. degree may elect three majors in this department, and they are urged to do so as early as possible in the college course. Special ministerial students

should consider these courses fundamental to all others which they may desire to pursue. Work in this department is not credited toward a graduate degree.

Courses in Old Testament Literature.

1. THE HEXATEUCH: A non-technical study of the first six books of the Bible. *Fall, 8:00.*
2. THE HISTORICAL BOOKS: A study of the history of Israel, based directly on the reading and comparison of the historical books. *Winter, 8:00.*
3. THE PROPHETICAL BOOKS: The origin, growth and character of Hebrew prophecy. *Spring, 8:00.*

New Testament Literature.

1. THE PAULINE LETTERS. *Fall, 8:00.*
2. THE SYNOPTICAL GOSPELS. *Winter, 8:00.*
3. THE JOHANNINE GOSPEL AND LETTERS. *Spring, 8:00.*

NOTE.—Either the courses in the Old Testament or those in the New will be offered, but both series will not be offered in the same year.

SCHOOL OF MUSIC

CLARENCE FORSYTH, Director.

The School of Music is separate from the College, having its own management and imposing its own fees. Its courses of instruction are divided into theoretical and practical. College credits are allowed for the theoretical courses only. A special diploma, however, will be given by the School of Music under the following conditions: 1. The student shall complete successfully a four years' course in music and show himself qualified to act as teacher or to appear as soloist. 2. He shall include in his studies the first, second and third courses in the theory of music and twelve majors of college work.

Theoretical Courses.

1. HISTORY OF MUSIC from its earliest stages; History of Church Music from the time of Gregory; History of Opera and Oratorio; study of the works of famous composers, with practical illustrations.
2. HARMONY: The study of chords, their construction, relations and progressions; harmonization of given melodies; exercises from figured basses and analysis.
3. COUNTERPOINT: The study of counterpoint, canon, fugue and analysis.
4. COMPOSITION: Practical study of composition in both small and large form.

In courses 2, 3, 4, piano playing is a prerequisite.

Practical Courses.

The courses in practical music consist of instruction in playing the piano and in singing.

Only individual lessons are given in these courses.

Fees and Instruction.*Theoretical Courses.*

Two hours weekly.....\$12 per college term of 12 weeks

Practical Courses.

PIANO (For students taking the regular course in music): Two half-hour lessons weekly with Mr. Forsyth.

.....\$36 per college term of 12 weeks.

PIANO (for other persons): Two half-hour lessons weekly with Mr. Forsyth.....\$48 per college term of 12 weeks.

PIANO: Two half-hour lessons weekly with Miss Leedy.

.....\$24 per college term of 12 weeks.

SINGING: Two half-hour lessons weekly with Mr. Jeffries.

.....\$24 per college term of 12 weeks.

Students taking the regular course in music for a single subject in College will be charged but one-third (\$5) the regular tuition.

The Starr piano used for concert occasions is furnished by Starr Piano Company, Indianapolis.

DEPARTMENT OF ART

MYRTLE LEWELLYN TAYLOR, Director.

This department offers class work to all students in College or preparatory school. The School of Art is separate from the College and charges its own fees. College credits are not allowed for work done in the Art Department.

Courses.

1. FREE-HAND: Principles of free-hand drawing, linear perspective, light and shade. Instruction in pencil and charcoal.
2. DRAWING FROM CASTS AND STILL LIFE: Charcoal.
3. DRAWING FROM MODEL: Charcoal.
4. PEN SKETCHING FROM MODEL.
5. FLAT COLORING AND WASH WORK.
6. CARTOONING in black and white, also color.

Class time required in above courses2 hours per week
Cost of material in class\$1.00 per term
Tuition, regular courseFree

7. WATER COLORS: Studies in color in landscapes, 4 summer studies, 2 winter and 1 Delft.
8. FLOWERS: Simple and in group. Dutch method.
9. HEADS AND FIGURES.

Class time required in courses 7, 8, 9.....3 hours per week
Cost of material, paints, brushes and paper.....\$1.40
Tuition, special course 4.00

10. CHINA PAINTING: The aim in the instruction is to impart a general knowledge of ceramic art. Students are expected to make each a half-dozen plates and one ornamental piece during a term. Colors used: Tube, LaCrox and Dresden. Powders for tints: Aulick and Fry.

Class time required.....	2 hours per week
Materials, paints, etc.....	\$1.60
Burnings (half-dozen plates).....	.50
Tuition, three months.....	4.00

NORMAL COURSE FOR TEACHERS

Session of 1908.

MONDAY, MAY 11—SATURDAY, AUGUST 1.

GENERAL ANNOUNCEMENT.

Under the present school law of Indiana all teachers in the common schools of the State who begin their work after August 1, 1908, must have at least twelve weeks of professional training in an approved normal school or college. Teachers are divided, according to preparation, experience, success and character of license held, into three classes, A, B and C, and a maximum and minimum salary fixed for each class.

Butler College has been accredited by the State Board of Education for the preparation of teachers in each of the three classes, A, B and C, provided for by the law. In addition to the work pursued throughout the college year in educational psychology and allied subjects, the special twelve-weeks' course herein announced has been arranged for the benefit of those who desire to be enrolled this year under "Class A," or to do additional work leading to enrollment in Classes B and C.

All graduates of commissioned or certified non-commissioned high schools, and those who have equivalent scholarship, who secure a license of twelve months, become by the completion of the Butler College twelve-weeks' normal course members of "Class A," and are eligible to teach in any of the common schools of Indiana.

COURSES OF INSTRUCTION.

The following courses are open to all graduates of high schools and to other approved applicants. Those who expect to be enrolled as teachers in "Class A" are required to take courses

1 and 2, and any two of courses 3, 4 and 5. No one, unless by special permission, will be allowed to take more than four courses. Courses 1 and 2 and two other courses give all the professional training required of teachers in "Class A."

All courses consist of five recitations, of fifty minutes, each week for twelve weeks. If applied toward college degrees or toward satisfying requirements for "Class B" or "Class C," each course counts as a major credit. (See page 35.) Unless otherwise specified the instructors are regular members of the Butler College faculty.

Observation of work in the city schools of Indianapolis is arranged for and required in connection with all of the courses. As the Indianapolis schools are among the best in the United States, and the instructors in the Butler College normal course enjoy the hearty cooperation of the city schools, this part of the work is of great advantage, and is one of the most attractive features of the course.

COURSE 1. EDUCATIONAL PSYCHOLOGY.

First six weeks—PROFESSOR A. K. ROGERS.

Second six weeks—PROFESSOR CHARLES H. JUDD, Yale University, and PRESIDENT JOHN A. KEITH, Oshkosh Normal School, Wisconsin.

COURSE 2. PRINCIPLES OF TEACHING.

Twelve weeks—MR. E. R. RAY, Supervising Principal in the Indianapolis Schools.

COURSE 3. ENGLISH; LANGUAGE, GRAMMAR AND COMPOSITION.

Twelve weeks—MISS CORNELIA A. ALLEN.

COURSE 4. UNITED STATES HISTORY AND CIVIL GOVERNMENT.

First six weeks—PROFESSOR C. B. COLEMAN.

Second six weeks—MR. ARTHUR W. DUNN, Head of the Department of History and Civics, Shortridge High School, Indianapolis.

COURSE 5. ELEMENTARY MATHEMATICS; ARITHMETIC AND ALGEBRA.

Twelve weeks—PROFESSOR E. N. JOHNSON.

SUMMER SCHOOL

Session of 1908.

MONDAY, JUNE 22—SATURDAY, AUGUST 1.

FACULTY.

DEAN.

THOMAS CARR HOWE, A. M., PH. D., *President of Butler College.*

DEPARTMENT OF EDUCATION.

CHARLES H. JUDD PH. D., *Professor of Psychology, and Director of the Psychological Laboratory, Yale University.*

JOHN A. H. KEITH, PH. D., *President of Oshkosh Normal School.*

EITEL R. RAY, A. M., *Supervising Principal in Indianapolis Public Schools.*

DEPARTMENT OF ENGLISH.

CHARLES SWAIN THOMAS, A. M., *Head of the Department of English, Shortridge High School, Indianapolis.*

CORNELIA A. ALLEN, A. M., *Instructor in English, Butler College.*

DEPARTMENT OF HISTORY AND CIVICS.

ARTHUR W. DUNN, A. M., *Head of the Department of History and Civics, Shortridge High School, Indianapolis.*

DEPARTMENT OF NATURE STUDY.

ROUSSEAU McCLELLAN, A. M., *Head of the Department of Botany and Zoology, Shortridge High School, Indianapolis.*

DEPARTMENT OF MODERN LANGUAGES.

JOSEPH K. EGGER, A. M., *Assistant Professor of German, Butler College.*

DEPARTMENT OF MATHEMATICS.

ELIJAH N. JOHNSON, A. M., M. S., *Acting Professor of Mathematics, Butler College.*

CALENDAR.

1908.

June 22, Monday—Enrollment and Registration for Summer School.

June 23, Tuesday—Instruction begins.

July 31, Friday—Examinations begin.

August 1, Saturday—Examination and close of term.

GENERAL ANNOUNCEMENT.

Terms of Admission. There will be no formal examinations for admission. Students, both men and women, will be admitted to such courses as they are qualified to pursue to advantage. The regular class instruction of the Summer School will begin promptly on June 23. After July 3, no change of courses will be allowed, nor will credit for attendance be given to students entering after that date.

Students completing the work of any of the courses in the Summer School and passing examination thereon will be granted a certificate upon request. Regularly matriculated students of Butler College will receive college credit for work done in Summer School.

Fees. The regular tuition fee will be \$10 for each major course, whether elementary or advanced, and \$6 for each minor course taken.

Students taking the course in Nature Study will be charged an additional fee of \$1.00, plus breakage or other damage to apparatus.

Fees must be paid at the time of registration.

When an announced course has not been applied for by at least five students, the instructor shall be at liberty to withdraw the course.

No student will receive credit for work amounting in value to more than two majors or four minors.

All classes meet on Monday, Tuesday, Wednesday, Thursday and Friday unless otherwise specified.

COURSES OF INSTRUCTION

EDUCATION.

Courses 1 and 2 of this department will be conducted for the first four weeks by Professor Charles H. Judd, of Yale University, author of "Genetic Psychology," and director of the Yale Psychological Laboratory; and for the last two weeks of the term by President John A. H. Keith, of the Oshkosh (Wisconsin) Normal School, author of the work on "Elementary Education" used in the Indiana Reading Circle. The work will be continuous throughout the entire six weeks.

1. **EDUCATIONAL PSYCHOLOGY:** This course will lay the foundation for a scientific treatment of educational problems by reviewing the essential results of scientific psychology. The course will begin with the study of the nervous system. The nature of perception and ideation will then be treated in detail. Various applications of the principles discussed will be suggested, but the more complete statement of educational principles will be taken up in the course of Principles of Education. Text to be used in connection with this course, Judd's Psychology, General Introduction (Scribner's, 1907). *Minor.*

PROFESSOR JUDD AND PROFESSOR KEITH.

2. **PRINCIPLES OF EDUCATION:** Some of the leading problems and theories of education will be treated in the form of lectures and required readings. Each member of the class should read Spencer's Essays on Education (Appleton & Co.) and Dewey's School and Society (Chicago University Press). Other problems will be taken up in the form in which they are treated in Judd's Genetic Psychology for Teachers (Appleton & Co.) *Minor.*

PROFESSOR JUDD AND PROFESSOR KEITH.

3. **EDUCATION:** Some problems in method and organization. *Minor.*

MR. RAY.

ENGLISH.

1. BROWNING AND ARNOLD: The course will include the study and interpretation of selections from Browning and Matthew Arnold. It will examine critically the method and theories of the two men, and will endeavor to determine what each specially contributed to nineteenth century thought. Browning's *Essay on Shelly* and Arnold's critical prose will be included in the required readings. *Minor.*

MR. THOMAS.

2. TENNYSON. Course 2 will make an intensive study of *In Memoriam*. *The Idylls of the King* will be assigned for extensive reading. *Minor.*

MR. THOMAS.

3. RHETORIC AND COMPOSITION: The course is intended to furnish the elements of rhetoric and to supply practice in English composition. There will be daily and weekly themes illustrating the different kinds of construction. This course will be conducted with direct reference to teachers. *Minor.*

MISS ALLEN.

MODERN LANGUAGES.

Courses in German, French or Spanish will be arranged if applied for by a sufficient number of students.

PROFESSOR EGGER.

HISTORY AND CIVICS.

1. AMERICAN HISTORY: This course in itself is a minor; when taken in connection with the course in American History in the spring term (Professor Coleman) it completes a major. The keynote of the course is *the expansion of the American nation*. The political aspect of the subject is subordinated to the social and economic phases. The course includes such topics as the westward movement, the influence of the frontier, the economic expansion of North, South and West, the relation of political forms to changing conditions, etc. Opportunity will be offered for the study of teaching meth-

ods. The text-book will be the same as for the American History course of the spring term. *Minor.* MR. DUNN.

2. CIVICS: This is not an elementary course in civil government, although as much attention as possible will be given to the organization and functions of our governments. The course consists primarily of lectures and discussions on the civic relations in American communities, together with the end to be attained by civic instruction in the schools, and methods of teaching. Text to be announced. *Minor.*

MR. DUNN.

NATURE STUDY.

1. NATURE STUDY: A study of common plants and animals; identification of trees; life history of insects; preparation of aquaria. Special attention will be given to the field study of birds, their nesting habits, migration, economic value; bird protection; suggestions for bird study in schools. Irvington offers an unusual opportunity for this work. Hodge's "Nature Study and Life" will be used for reference work.

A laboratory fee of one dollar will be charged.

Lectures, laboratory and field work.

The course will not be given for less than fifteen students.

Major.

MISS MCCLELLAN.

MATHEMATICS.

1. DESCRIPTIVE ASTRONOMY: This course is designed for those wishing to gain a knowledge of the principles of the science of astronomy. No mathematical preparation is necessary. In connection with the descriptive work, one or two nights of each week will be spent in the observation and location of the prominent stars and constellations. The telescope will be used in the study of the moon, the planets and double stars. *Major or Minor.*

PROFESSOR JOHNSON.

TEACHERS' COLLEGE STUDY DEPARTMENT

1907-1908.

GENERAL ANNOUNCEMENT.

Admission. 1. Any one who has fulfilled the requirements for admission to Butler College is admitted as a *regular student*, i. e., as a candidate for a college degree.

2. Any one who, in the judgment of the instructor, is qualified to do the work which he desires to take, may be admitted to such work as an *unclassified student*. If later he becomes a regular student, credits obtained in this department will apply toward a degree.

Credits. All work satisfactorily completed is credited at Butler College. Thus work in the Teachers' College will count toward a degree as fully as work done in residence.

The Superintendent of the Indianapolis Schools, Mr. Kendall, under conditions published by him, accepts work in the Teachers' College Study Department in lieu of the examination for assistant principals' and principals' certificates.

Fees. The tuition fee is \$10 for each major, and \$5 for each minor course. This is due upon enrollment, but payment of one-half of it may be deferred until the end of January. It should be paid to the Secretary of the Department, C. B. Coleman, but may be paid through the various instructors.

Time and Place. All classes meet once a week, from 3:45 to 5:15 on Monday, Tuesday, Wednesday, Thursday or Friday, or from 8:30 to 10:00 Saturday morning, at some convenient place near the center of the city.

Work begins the first week of October and closes the second week in May.

Announcement of courses to be given in session of 1908-'09 will be made later by special circular.

INSTRUCTORS.

SESSION OF 1907-1908.

CHRISTOPHER BUSH COLEMAN, *Professor of History, Butler College.*

ARTHUR W. DUNN, *Head of the Department of History and Civics, Shortridge High School.*

ROBERT H. FLETCHER, *Acting Professor of English Literature, Butler College.*

JOHN SAMUEL KENYON, *Professor of English Language and Literature, Butler College.*

JOSEPH K. EGGER, *Assistant Professor of German, Butler College.*

ROUSSEAU MCCLELLAN, *Head of the Department of Botany and Zoology, Shortridge High School.*

COURSES OF INSTRUCTION

LITERATURE.

COURSE NUMBER 3. ROBERT BROWNING'S POETRY: A general discussion of the main characteristics and ideas of Browning's poetry, after which some of the most important poems, long and short, are considered individually. October-December.
Minor. PROFESSOR FLETCHER.

COURSE NUMBER 4. THE ENGLISH ELEGIES FROM SPENSER TO TENNYSON: A study of the form and the content of the more important English elegies. January-May.
Minor. PROFESSOR KENYON.

Courses 3 and 4 together count as a major.

MODERN LANGUAGE.

COURSE NUMBER 1. BEGINNING GERMAN.

Major.

ASSISTANT PROFESSOR EGGER.

HISTORY.

COURSE NUMBER 1. STUDIES IN AMERICAN BIOGRAPHY: Discussion of the life, work, writings and speeches of Andrew Jackson, Henry Clay, Daniel Webster, John C. Calhoun, Stephen A. Douglas, William H. Seward, Abraham Lincoln.

Major.

PROFESSOR COLEMAN.

CIVICS.

COURSE NUMBER 1. ADVANCED CIVICS: A study of community life: its development, nature, and purpose. Forman's "Advanced Civics" is used as a plan of study. *Major.* MR. DUNN.

NATURE STUDY.

COURSE NUMBER 1. NATURE STUDY: A study of common plants and animals; identification of trees; field study of birds; life history of insects; preparation of aquaria. Lectures, laboratory and field work. A laboratory fee of \$1.00 is charged.

Major.

MISS MCCLELLAN.

COMMENCEMENT RECORD

1907.

DEGREES CONFERRED.

Bachelor of Arts.

BIGELOW, JANE ELIZABETH.	KRAUS, SADIE MAY.
BINNINGER, MARIE.	MICHAEL, HERBERT MOREY.
BLOUNT, ANNA MAY.	PATTERSON, SARA.
BRAYTON, IRMA PARKER.	PLYMATE, STELLA.
CLARK, MARY.	SPRINGER, HAZEL.
COOPER, PAULINE AMY.	TRACY, MABEL.
DOAN, FRANCES ELIZABETH.	WATERS, ELIZABETH MAY.
HUGGINS, EDNA MAY.	WHITESIDES, ELIZABETH.
WOODY, ETHEL.	

Master of Arts.

GOODNIGHT, CLOYD, A. B.

PRIZES AWARDED.

University of Chicago Scholarships—ELIZABETH WHITESIDES,
MARIE BINNINGER. ANNA MAY BLOUNT.

First Rank in State Oratorical Primary—CARL HARRY BARNETT.

Alliance Francaise Medal—ELIZABETH WHITESIDES.

CATALOGUE OF STUDENTS

ANNUAL SESSION ENDING JUNE 18, 1908

ABBOTT, JAMES MELVILLE.....	Indianapolis.
ADAMS, CLARIS.....	Indianapolis.
AGNEW, BERNICE LEONA.....	Indianapolis.
ANDERSON, ELEANOR THERESA.....	Indianapolis.
ANDREWS, ELMER.....	New Palestine.
AXTELL, MARGARET.....	Indianapolis.
BAIRD, EDWARD L.....	Shelbyville.
BARBOUR, VIOLET.....	Indianapolis.
BARNETT, CARL H.....	Plainfield.
BARNETT, CHESTER.....	Indianapolis.
BARR, MARGARET ANN.....	Indianapolis.
BERTMAN, ROSE MILDRED.....	North Vernon.
BLACKLIDGE, ETHEL	Indianapolis.
BLACKMAN, EARL AUSTIN.....	Lisbon.
BLACKMAN, LESTER J.....	Lisbon.
BLAIR, LEONA JUNE.....	Plainfield.
BOGERT, ELIZABETH T.....	Indianapolis.
BOND, LORA MAE.....	Indianapolis.
BORAM, LAURA ALLEN.....	Anderson.
BOSTON, MAUDE.....	Indianapolis.
BOYD, MABEL CLAUDINE.....	Indianapolis.
BRADEN, FANNIE J.....	Indianapolis.
BRAYTON, ELIZABETH.....	Indianapolis.
BRICKERT, JACOB ERRETT.....	Greenwood.
BROWN, LOIS STEVENS.....	Indianapolis.
BROWN, LOUISE M.....	Indianapolis.
BROWN, SUSAN ANN.....	Indianapolis.
BROWNING, MARGARET TAYLOR.....	Indianapolis.
BUNCH, ROBERT RAY.....	Indianapolis.
BURKHART, CARL A.....	Tipton.

BURKHART, CLAUDE MERRIL.....	Indianapolis.
BURKHART, JOHN WESLEY.....	Tipton.
BURNAU, WINFIELD LARA.....	Indianapolis.
BURT, ANNA HOWELL.....	Indianapolis.
CAIN, EDWARD.....	Connersville.
CAREY, ABNER BLAINE.....	Indianapolis.
CARR, LUCILE.....	Indianapolis.
CASEY, WILBUR.....	Whitestown.
CASTETTER, EDNA.....	Indianapolis.
CHAFFEE, MARGUERITE.....	Columbus, O.
CHAMBERLAIN, HAROLD.....	Shirley.
CHAMBERLIN, ROMENTA.....	Valley Mills.
CHENAULT, WALTER.....	Indianapolis.
CLARKE, ELBERT HOWARD.....	Edinburg.
CLARKE, GEORGE FRANKLIN.....	Edinburg.
CLINE, OLIVE MARJORIE.....	Indianapolis.
COCHRAN, EVA FAY.....	Indianapolis.
COLBURN, LULA MAY.....	Noblesville.
COOK, HOMER LIVINGSTONE.....	Indianapolis.
COPPOCK, ORVILLE MCCLELLAN.....	Indianapolis.
COULTER, GROVER VERNON.....	New Ross.
CRAIG, WILLARD.....	Ingalls.
CRAVENS, MARY EMILY.....	Indianapolis.
CRAYCRAFT, EDITH.....	Noblesville.
CROSS, DANIEL FRANKLIN.....	Carthage.
DALLAS, MARY ELIZABETH.....	Indianapolis.
DANIELS, ELVIN.....	Indianapolis.
DAUM, ETHEL MAY.....	Tipton.
DAVENPORT, FRANK BYMER, JR.....	Indianapolis.
DAVENPORT, FRED THOMAS.....	Indianapolis.
DAVIS, HELEN MARGARET.....	Indianapolis.
DAVIS, SUSANNE WEED.....	Indianapolis.
DAVISON, FRANK E.....	Brownsburg.
DEHASS, RUTH.....	Indianapolis.
DEWALD, EVA M.....	Indianapolis.
DIDLAKE, LUCILE ALMA.....	Monticello.

DUDEN, MARGARET.....	Indianapolis.
EAGLESFIELD, CO RINNE.....	Indianapolis.
ECTON, WILLIAM HARVEY.....	Indianapolis.
EDGERTON, CHARLOTTE DIXON.....	Indianapolis.
EDWARDS, SCOTT.....	Greenfield.
ESTES, LOUISA.....	Westfield.
FARMER, EARL STAFFORD.....	Hollansburg, O.
FAUNCE, HENRY R.....	Indianapolis.
FISHER, EDNA STEIN.....	Indianapolis.
FITZGERALD, WILLIAM EDWARD.....	Indianapolis.
FLEECE, VERNON BREWER.....	Indianapolis.
FLICKINGER, BEULAH MARIE.....	Indianapolis.
FORSYTH, PEARL B.....	Trafalgar.
FOX, RAY CHARLES.....	Indianapolis.
FRANK, VERNIE.....	Lebanon.
FRANKLIN, CECIL DALLAS.....	Indianapolis.
FRICK, FLORA MARGARET.....	Indianapolis.
FROST, EDNA.....	Indianapolis.
GIVENS, WILLARD EARL.....	Anderson.
GLASBURN, OMA.....	Franklin.
GEE, LESLIE SHEPHERD.....	Kendallville.
GOE, CORNELIA.....	Indianapolis.
GORDON, BLANCHE CATHERINE.....	Morristown.
GREELEY, NELLE.....	Brownsburg.
GREER, MARGARET CAROLYN.....	Cumberland.
GRIGGS, MARY.....	Indianapolis.
GRISWOLD, JEANETTE.....	Indianapolis.
GROSE, LESTER EARL.....	Indianapolis.
HAMILTON, ETHEL LYONS.....	Lyons Station.
HOLLADAY, CLARA E.....	Indianapolis.
HADLEY, KLEBER.....	Indianapolis.
HAMILTON, RACHEL JANE.....	Indianapolis.
HANVEY, HOWARD GEORGE.....	Indianapolis.
HANWAY, ELIZABETH.....	Monticello.
HANWAY, OTTA.....	Monticello.
HARTLEY, ALONZO ALBERT.....	Indianapolis.

HAYES, THOMAS WHITCOMB.....	Indianapolis.
HECKER, SIDNEY ERNESTINE.....	Indianapolis.
HIBBEN, PRISCILLA HAZEN.....	Indianapolis.
HINDERKS, LOUETTA MARGARET.....	Indianapolis.
HOLTON, HELEN LYDDELL.....	Indianapolis.
HOOVER, ALMA ROSE.....	Bridgeport.
HOSBROOK, FLORENCE MAUDE.....	Indianapolis.
HOWALD, MARIE ELIZABETH.....	Indianapolis.
HOWALD, FLORA ELSIE.....	Indianapolis.
HUBBARD, MARGUERITE.....	Indianapolis.
HUBBARD, ROBERT LUCIUS.....	Indianapolis.
HUGHES, ANNA.....	Columbus.
HUNT, IRENE BROOKS.....	Indianapolis.
HUSSEY, LORA.....	Zionsville.
HUTTON, JAMES HARRY.....	Charleston, Ill.
HYMAN, HERBERT ROBERT.....	Indianapolis.
JACOBS, FRED HARVEY.....	Franklin.
JENNINGS, CAROLYN.....	Indianapolis.
JOHNSON, MYRTLE.....	Indianapolis.
JOHNSTON, BESSIE IRENE.....	West Point.
JONES, NINA MELVINA.....	Redkey.
KEACH, BENJAMIN HARRISON.....	Brownstown.
KERRICK, IRVIN JAMES.....	Indianapolis.
KILE, LOIS MERCEDES.....	Indianapolis.
KINDER, LAWRENCE.....	Greenfield.
KINGSBURY, LAYMAN DWIGHT.....	Indianapolis.
KINGSBURY, THEODORE MARSHALL.....	Indianapolis.
KITTERMAN, CLAYTON EMEBALD.....	Shirley.
KOHLSTADT, GEORGE WILLIAM.....	Indianapolis.
KRAMER, RUTH A.....	Indianapolis.
LARSH, ROSE EDITH.....	Indianapolis.
LAWSON, FRANK JONES.....	Oxford.
LEE, CHARLES OTIS.....	Atlanta.
LEE, JENNIE CAROLYN.....	Indianapolis.
LENNES, EVA MAE.....	Indianapolis.
LESLEY, MARY MARGARET.....	Indianapolis.

LEWELLEN, MARGARET DREW.....	Martinsville.
LEWIS, GEORGE F.....	Pittsboro.
LONG, MABEL CLARE.....	Indianapolis.
LOWE, LETTIE	Indianapolis.
MAGEL, ANNA.....	Indianapolis.
MAGUIRE, WILLIAM CHESTER.....	Urbana, Ill.
MARSH, CHESTER ARTHUR.....	Indianapolis.
MARTIN, ANNA CATHERINE.....	Jamestown.
MARTINDALE, HARRY HOWARD.....	Indianapolis.
MATHEWS, GRACE E.....	Indianapolis.
McCOY, CATHERINE JAY.....	Indianapolis.
McCOY, MARY AGNES.....	Indianapolis.
McGOWAN, DAISY ETHEL.....	Indianapolis.
McHATTON, FLORENCE W.....	Indianapolis.
McHATTON, JENNIE.....	Indianapolis.
McKAY, ROBERT JAMES.....	Indianapolis.
McKERN, HALLIE DWIGHT.....	Thorntown.
McTURNAN CLAIR.....	Indianapolis.
MENDENHALL, GEORGIA.....	Vermilion Grove, Ill.
MERRICK, FRANK WAKEFIELD.....	Indianapolis.
MEYER, FERN ETHEL.....	Lebanon.
MICHAEL, GUY GRIFFITH.....	Noblesville.
MILLER, G. RUDOLPH.....	Indianapolis.
MITCHELL, LEROY R.....	Indianapolis.
MOFFETT, GEORGE LEE.....	Veedersburg.
MOORE, AUBREY HARRELL.....	Maplewood.
MOORHEAD, MILDRED.....	Indianapolis.
MORRISON, HENRIETTA.....	Indianapolis.
MORRISON, MINTA.....	Indianapolis.
MORRISON, LEWIS WILSON.....	Indianapolis.
MOSS, MRS. C. I.....	Indianapolis.
MURPHY, MALLIE JOHN.....	Indianapolis.
MUMMENHOFF, ALICE ELEANOR.....	Indianapolis.
MURRAY, JAMES LEE.....	Indianapolis.
MYERS, TYNER WOLFE.....	Indianapolis.
NELSON, WILLIAM VERNER.....	Indianapolis.

NIX, IRMA.....	Indianapolis.
OSBORN, JAMES.....	Broad Ripple.
PATRICK, NINA.....	Indianapolis.
PEARSON, AGNES VIRGINIA.....	Martinsville.
PENNINGTON, BERTHA ESTELLE.....	Brownsburg.
POTTER, MAYME LOUISE.....	Indianapolis.
POWER, GRANVILLE FRANK.....	New Augusta.
PRUITT, GERTRUDE MARTHA.....	Indianapolis.
RAGSDALE, JESSIE MORGAN.....	Indianapolis.
RALSTON, BONNIE GERTRUDE.....	Indianapolis.
RALSTON, CHARLES DUPONT.....	Indianapolis.
REDDING, HERBERT EMORY.....	Indianapolis.
REED, HELEN MARIE.....	Indianapolis.
REED, NELLE PRISCILLA.....	Greenfield.
REID, CHARLES LOCKHARD.....	Indianapolis.
REIDENBACH, CLARENCE.....	Ninevah.
REINHART, GEORGE AARON.....	Indianapolis.
ROBERTS, JOSIAH JACKSON.....	Knightstown.
ROBERTSON, NELLIE.....	Greensburg.
ROBINSON, DANIEL SOMMER.....	North Salem.
ROGERS, ETHEL.....	Indianapolis.
ROSE, JAMES WILLIAM.....	Indianapolis.
ROSE, NATHANIEL BENJAMIN.....	Fremont, O.
RUCKER, JESSE SPENCER.....	Greenfield.
RUSSELL, HORTENSE EVA.....	Amarillo, Texas.
RUSSELL, JULIA MARION.....	Amarillo, Texas.
RUSSELL, MAUD MURIEL.....	Indianapolis.
RUST, CHARLES HENRY.....	Brownstown.
RYAN, OSWALD.....	Anderson.
RYKER, BLANCHE AVON.....	Normanda.
SCHLEPPY, BLOOR.....	Indianapolis.
SCHMID, HERBERT WILLIAM.....	Indianapolis.
SCHOFIELD, EVERETT MURRELL.....	Indianapolis.
SCOTT, JOHN JAMES.....	Brazil.
SCOTTEN, HALLIE GRETCHEN.....	Indianapolis.
SHAW, RUTH.....	Indianapolis.

SIGELEN, ALBERTA.....	Indianapolis.
SINCLAIR, BERNICE.....	Indianapolis.
SMALL, GRACE OPAL.....	Knightstown.
SMITH, BENJAMIN.....	Jamestown.
SMITH, BEULAH.....	Muncie.
SMITH, EARL.....	Wanamaker.
SMITH, JAMES LESLEY.....	McCordsville.
SNODGRASS, FLORENCE.....	Indianapolis.
SPAULDING, IMOGENE.....	Terre Haute.
SPENCER, TRUMAN.....	Indianapolis.
STEIN, WALDO EMERSON.....	Indianapolis.
STOKES, SAMUEL J.....	Fortville.
SUTTON, HOMER HENRY.....	Greenwood.
TEETER, JAMES.....	Indianapolis.
THARP, HAROLD BLAND.....	Indianapolis.
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TICHENOR, BARCUS.....	Indianapolis.
TILSON, MARIE AGNES.....	Greenwood.
TOMES, ORLANDO ESSEX.....	Indianapolis.
TOMLINSON, RALPH RYLAND.....	Fairland.
TOMLINSON, SALLIE.....	Indianapolis.
TOPH, LUCY.....	Indianapolis.
TOWNSEND, EARL C.....	Indianapolis.
TOWNSEND, ROY.....	Summitville.
TRACY, HAZEL LOIS.....	Anderson.
TRUSTY, CLAY.....	Indianapolis.
WAKELAND, MAYME.....	Malott Park.
WALKER, VERA.....	Greenfield.
WALLACE, ROGER WAYNE.....	Indianapolis.
WEER, PAUL WILEY.....	Indianapolis.
WHEELER, LOUISE ANNE.....	Indianapolis.
WILLIAMS, FRANCIS	Markleville.
WILLIAMS, INEZ FRANCES.....	Martinsville.
WILLIAMS, THOMAS FRED.....	Indianapolis.

VAN WINKLE, CARL.....	Indianapolis.
WITT, JOSHUA CHITWOOD	Indianapolis.
WOLFE, CHARLES FRANCIS.....	Indianapolis.
WOOD, ELMO SCOTT.....	Indianapolis.

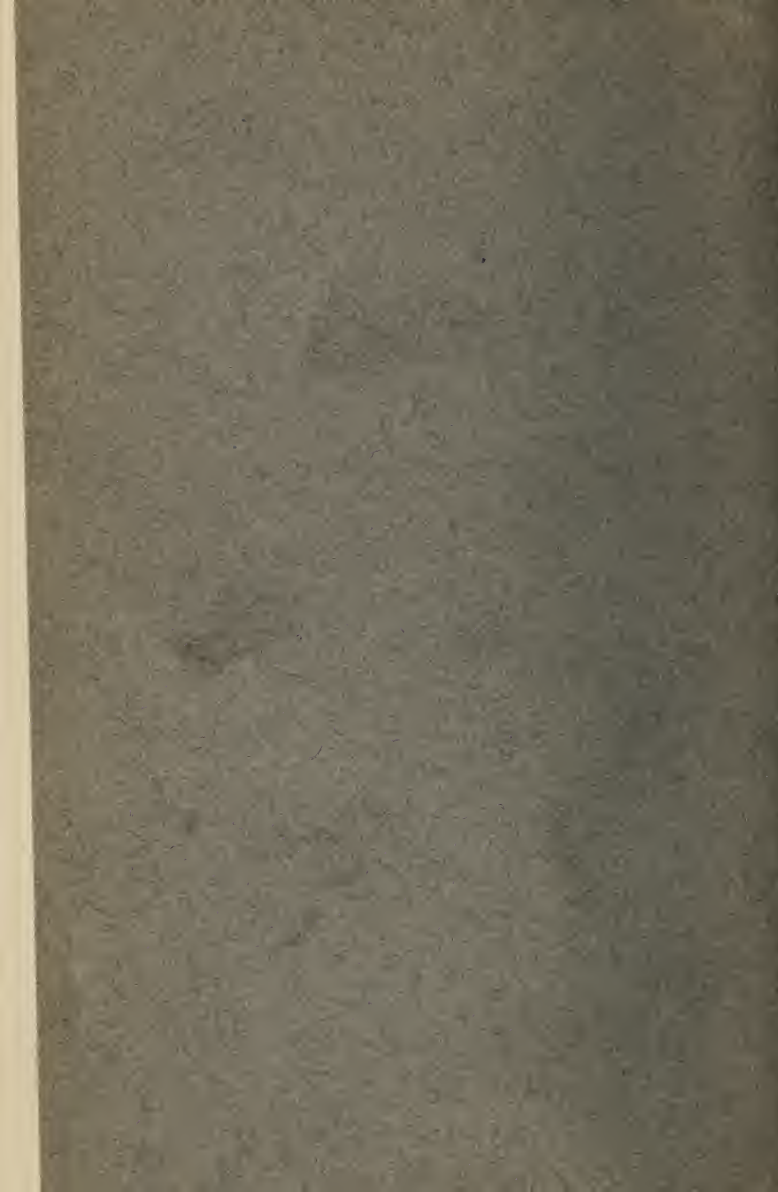
SUMMARY.

Graduate Students	2	
College Students	180	
Preparatory Students.....	48	
Teachers' College Study Department.....	112	
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Total number of Students.....		441

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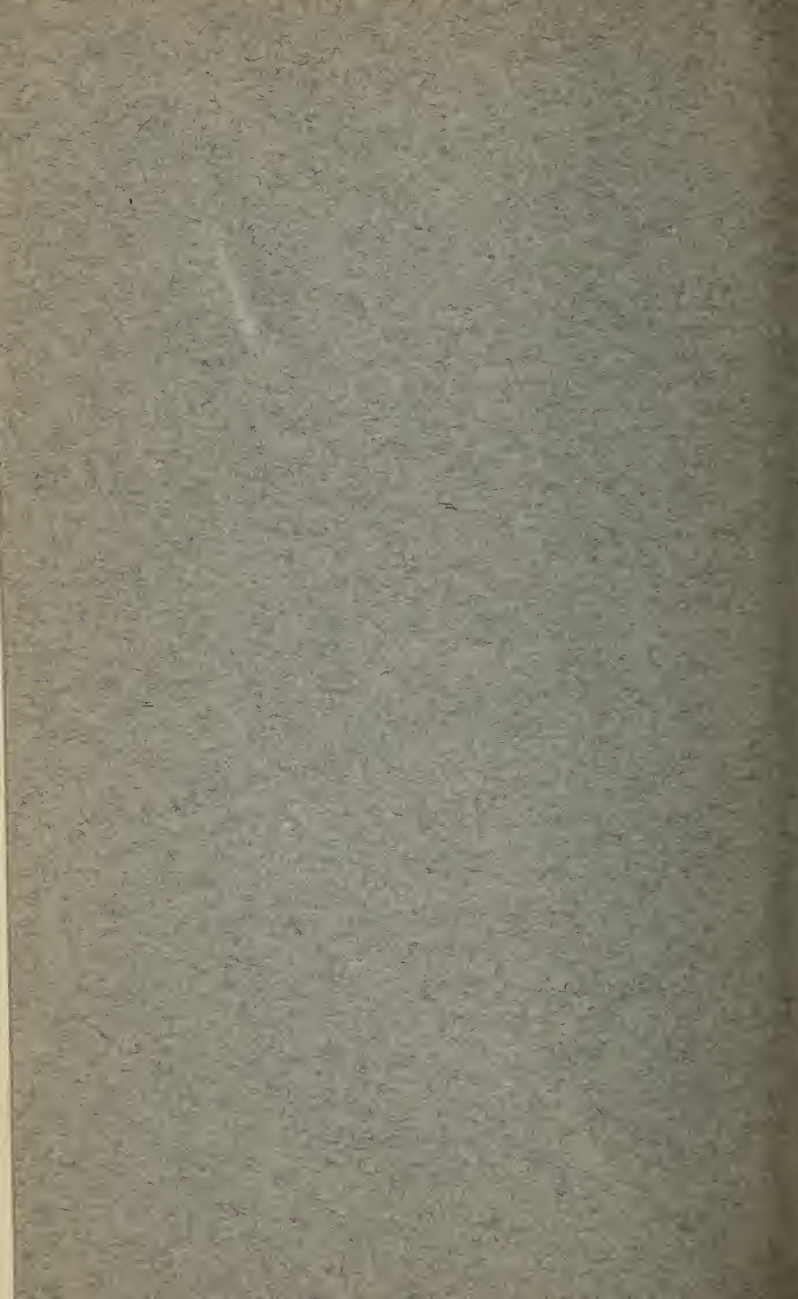
UNIVERSITY OF CHICAGO

The Catalog of Butler College

For the Year 1908-1909

With Announcements for the Year
1909-1910

Indianapolis : Indiana



THE
ANNUAL CATALOG
OF
BUTLER COLLEGE

FOR THE FIFTY-FOURTH SESSION

1908-1909

WITH ANNOUNCEMENTS FOR 1909-1910

INDIANAPOLIS, IND.

SCHOOLS ASSOCIATED WITH BUTLER COLLEGE IN THE UNIVERSITY OF INDIANAPOLIS.

Indiana Law School.

JAMES A. ROHBACH, A. M., LL. B., Dean.

As a location for a law school Indianapolis has no superior. All the courts of the State and also United States Circuit and District Courts are in almost continuous session here during the school year, and the student has opportunities to watch the progress of all sorts of litigation in courts of all grades. For catalog and further information, address the Dean, 1117 Law Building, Indianapolis.

Indiana Dental College.

GEORGE EDWIN HUNT, M. D., D. D. S., Dean.

The college occupies its own building, which was erected for the purpose, on the southwest corner of Ohio and Delaware streets, centrally located and easily accessible from all parts of the city. The growth of the college has been steady and sure, indicating its worth as an educational institution. For catalog address Indiana Dental College, Indianapolis.

COLLEGE CALENDAR

SUMMER TERM, 1909

June 21.....Monday.....Registration.
June 22.....Tuesday.....Instruction Begins.
July 30, 31.....Friday, Saturd'y. Examinations and Close of Summer Term.

FALL TERM, 1909

Sept. 21.....Tuesday.....Registration and Assignment of Work.
Sept. 22.....Wednesday.....Instruction Begins.
Oct. 13.....Wednesday.....Quarterly Meeting Board of Directors.
Nov. 25-27.....Thursday-Sat...Thanksgiving Vacation.
Dec. 7, 8.....Tuesday, Wed...Registration for Winter Term.
Dec. 16-18.....Thursday-Sat...Term Examinations and Close of Fall Term.

WINTER TERM, 1910

Jan. 3.....Monday.....Registration and Assignment of Work.
Jan. 4.....Tuesday.....Instruction Begins.
Jan. 12.....Wednesday.....Quarterly Meeting Board of Directors.
Feb. 7.....Monday.....Founder's Day.
March 15, 16.....Tuesday, Wed..Registration for Spring Term.
March 24-26.....Thursday-Sat...Term Examinations and Close of Winter Term.

SPRING TERM, 1910

March 31.....Thursday.....Registration and Assignment of Work.
April 1.....Friday.....Instruction Begins.
April 13.....Wednesday.....Quarterly Meeting Board of Directors.
June 11, 13, 14...Sat., Mon., Tue..Term Examinations.
June 12.....Sunday.....Baccalaureate Sermon.
June 14.....Tuesday.....President's Reception.
June 15.....Wednesday.....Alumni Reunion and Class-Day Exercises.
June 16.....Thursday.....Fifty-fifth Annual Commencement.

BUTLER COLLEGE

BOARD OF DIRECTORS.

ALEMBERT W. BRAYTON.....	Indianapolis
URBAN C. BREWER.....	Hall
HILTON U. BROWN.....	Indianapolis
SCOT BUTLER	Indianapolis
PERRY H. CLIFFORD.....	Indianapolis
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THOMAS C. HOWE.....	Indianapolis
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JOHN M. JUDAH.....	Indianapolis
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WILLIAM MULLENDORE.....	Franklin
ALLAN B. PHILPUTT.....	Indianapolis
MARSHALL T. REEVES.....	Columbus
ZACH. T. SWEENEY.....	Columbus

Officers of the Board of Directors.

HILTON U. BROWN.....	President
FRED C. GARDNER.....	Treasurer
CHAUNCY BUTLER.....	Secretary

Standing Committees.

Executive Committee.

Chairmen of the Standing Committees, as follows:

HILTON U. BROWN, ex officio, SCOT BUTLER, DR. P. H. JAMESON,
THOMAS C. HOWE, LOUIS J. MORGAN, ALLAN B. PHILPUTT,
CHARLES W. MOORES, W. S. MOFFETT, JOSEPH I. IRWIN, F. R.
KAUTZ.

5

DR. P. H. JAMESON, FRED C. GARDNER, W. S. MOFFETT,
HILTON U. BROWN, ex officio.

JOSEPH I. IRWIN, MARSHALL T. REEVES, T. B. LAYCOCK,
DR. HENRY JAMESON, WILLIAM MULLENDORE,
THOMAS C. HOWE, *ex officio*.

BUTLER COLLEGE

FACULTY.

THOMAS CARR HOWE, A. M., Ph. D., President, and Armstrong Professor of Germanic Languages. (48 South Audubon Road.)

Ph. B., Butler College, 1889; A. M., *ibid.*, 1893; Student, University of Berlin, 1890-'92; Graduate Student, Harvard University, 1896-'99; A. M., *ibid.*, 1897; Ph. D., *ibid.*, 1899; Instructor in German, *ibid.*, 1898-'99; Instructor in German and Latin, Butler College, 1889-'90; Armstrong Professor of Germanic Languages, *ibid.*, 1890-—; Dean, Butler College, 1907-'08; President Butler College, 1908-—.

ALLEN RICHARDSON BENTON, A. M., LL. D., Professor of Philosophy, Emeritus.

A. B., Bethany College, 1848; A. M., *ibid.*, 1849; Professor of Latin and Greek, Northwestern Christian University, 1855-'61; President Northwestern Christian University, 1861-'68; President Alliance College, 1869-'71; LL. D., Butler College, 1871; Chancellor University of Nebraska, 1871-'76; Professor of Philosophy, Butler College, 1876-'96; President Butler College, 1886-'91.

SCOT BUTLER, A. M., LL. D., Professor of Latin Language and Literature, Emeritus. (124 Downey Avenue.)

A. B., Northwestern Christian University, 1868; A. M., *ibid.*, 1870; Student Classical Philology, University of Halle, and University of Berlin, 1873-'75; LL. D., Butler College, 1896; Instructor in Latin and Mathematics, Indiana University, 1869-'72; Professor of Latin, Butler College, 1871-1907; President Butler College, 1891-1904; 1906-'07.

HENRY LANE BRUNER, A. B., Ph. D., Professor of Biology and Geology. (360 South Ritter Avenue.)

A. B., Abingdon College, 1880; Student Sheffield Scientific School, Yale College, 1880-'81; Assistant in Marine Investigations of U. S. Commission of Fish and Fisheries, 1881-'84; Student of Comparative Anatomy, University of Freiberg, Baden, 1895-'97; Ph. D., *ibid.*, 1896; Professor of Natural Sciences, Abingdon College, 1881-'84; Professor of Natural Sciences, Eureka College, 1884-'86; Professor of Biology and Geology, Drake University, 1891-'92; *idem*, Butler College, 1892-—.

***JACOB DORSEY FORREST, A. M., Ph. D.,** Professor of Sociology. (30 Audubon Place.)

A. B., Hiram College, 1892; A. M., *ibid.*, 1892; Graduate Student in Political Science, Ohio State University, 1893-'94; Graduate Student in Sociology, Political Economy and Ethics, The University of Chicago, 1894-'95; Fellow in Sociology, *ibid.*, 1895-'97; Ph. D., *ibid.*, 1900; University Extension Lecturer in Sociology, *ibid.*, 1896-'99; Professor of Sociology and Economics, Butler College, 1897-1909; Professor of Sociology, 1909-—.

*On leave of absence during 1909-'10.

JABEZ HALL, A. M., Professor of Homiletics and Theology
(28 South Irvington Avenue.)

A. B., Bethany College, 1865; A. M., Butler College, 1898;
Pastor Christian Church, Wheeling, W. Va., 1866-'72; Cleveland,
Ohio, 1872-'89; Richmond, Va., 1889-'97; Professor of
Homiletics and Theology, Butler College, 1897-—.

CHRISTOPHER BUSH COLEMAN, A. B., B. D., Professor of
Church History and Acting Professor of History. (33 Downey
Avenue.)

A. B., Yale University, 1896; Auburn Theological Seminary,
1896-'97; Chicago Theological Seminary, 1897-'98; Divinity
School, The University of Chicago, 1898-'99; B. D., *ibid.*, 1899;
Student, University of Berlin, 1904-'05; Professor of Church
History and Acting Professor of History, Butler College,
1900-—.

ARTHUR KENYON ROGERS, A. B., Ph. D., Professor of Philos-
ophy and Education. (73 Hawthorne Lane.)

A. B., Colby College, 1891; Graduate Student, Johns Hopkins
University, 1891-'92; Honorary Fellow, The University of Chi-
cago, 1892-'93; Instructor, Chicago Academy, 1893-'94; Grad-
uate Student Hartford School of Sociology, 1894-'95; Assist-
ant Superintendent, Charity Organization Society, Hartford,
Ct., 1895-'96; Fellow in Philosophy, The University of Chi-
cago, 1896-'98; Ph. D., *ibid.*, 1898; Instructor in Philosophy
and Pedagogy, Alfred University, 1899-1900; Acting Profes-
sor of Philosophy and Education, Butler College, 1900-'01;
Professor of Philosophy and Education, *ibid.*, 1901-—.

ELIJAH NEWTON JOHNSON, A. M., M. S., Professor of Mathe-
matics. (304 Downey Avenue.)

A. B., Drake University, 1893; A. M., *ibid.*, 1895; M. S., Uni-
versity of Kansas, 1904; Professor of Mathematics, Camp-
bell University, 1893-1903; Graduate Student in Mathematics
and Astronomy, The University of Chicago, 1902-'03; Gradu-
ate Student in Mathematics and Physics, University of Kan-
sas, 1903-'04; Graduate Student in Mathematics and Astron-
omy, The University of Chicago, 1905; Acting Professor of
Mathematics, Butler College, 1904-'09; Professor of Mathe-
matics, *ibid.*, 1909-—.

RICHARD BISHOP MOORE, B. S., Professor of Chemistry.
(5222 Julian Avenue.)

Student, University College, London, 1886-'90; Instructor in
Chemistry, Oswestry High School (England), 1890-'91; In-
structor in Chemistry, Birbeck Institute (London), 1891-'93;
British Museum, 1893-'95; The University of Chicago, 1896-
'97; B. S., *ibid.*, 1896; Instructor in Chemistry, University
of Missouri, 1897-1905; Student with Sir Wm. Ramsay, Uni-
versity College, London, 1907-'08; Professor of Chemistry,
Butler College, 1905-—.

BUTLER COLLEGE

JOHN SAMUEL KENYON, A. M., Ph. D., Demia Butler Professor of English Literature. (70 Layman Avenue.)

A. B., Hiram College, 1898; A. M., The University of Chicago, 1903; Fellow in English, *ibid.*, 1903-'04; University Scholar, Harvard University, 1905-'06; Thayer Scholar, *ibid.*, 1906-'07; Teacher in public schools, Medina, O., 1892-'93; Teacher of Greek, Latin and English, West Kentucky College, 1898-'99; Professor of Greek and Hebrew, Christian University, Canton, Mo., 1899-1901; Assistant in English, Harvard University, 1905-'06; Ph. D., *ibid.*, 1908; Professor of English, Butler College, 1906-—.

ERNEST TROWBRIDGE PAINE, A. M., Acting Professor of Latin Language and Literature. (29 Hawthorne Lane.)

A. B., Brown University, 1901; A. M., *ibid.*, 1903; Instructor in Latin, Brown University, 1902-'04; Student, American School of Classical Studies, Rome, and American School of Archaeology, Athens, 1904-'05; Instructor in Greek, Brown University, 1905-'06; Acting Professor of Greek Language and Literature, Butler College, 1906-'07; Acting Professor of Latin Language and Literature, 1907-—.

JOSEPH KARL RUDOLF EGGER, A. M., Assistant Professor of German and Spanish. (5812 Julian Avenue.)

Graduate, Royal Seminary, Lauingen, Bavaria (Germany), 1883; Public Schools of Hesse and Bavaria, 1883-'89; State Certificate for Hesse, Darmstadt, 1885; State Certificate for Bavaria, Augsburg, 1887; Instructor in German, High Schools, Colorado, 1896-1904; A. B., University of Denver, 1904; A. M., *ibid.*, 1904; Graduate Student, University of Grenoble, France, 1904-'05; Graduate Student, Johns Hopkins University, 1905-'06; Graduate Student, The University of Chicago, 1907; Assistant Professor of German, Butler College, 1906-—; Assistant Professor of German and Spanish, Butler College, 1907-—.

KATHARINE MERRILL GRAYDON, A. M., Catharine Merrill Professor of English Literature. (303 Downey Avenue.)

A. B., Butler College, 1878; A. M., Indiana University, 1883; Instructor in Indiana University, 1883-'84; Graduate Student, Radcliffe, 1885-'86; Professor of Greek, Hastings College, 1888-'91; Instructor, Oakland High School, 1891-'98; Graduate Student, The University of Chicago, 1898-'99; Professor of English, Oahu College, 1900-'07; Acting Professor of Greek, Butler College, 1907-'09; Catharine Merrill Professor of English Literature, *ibid.*, 1909-—.

JAMES WILLIAM PUTNAM, A. M., Professor of Economics and Political Science.

Ph. B., Illinois College, 1894; Graduate Student, The University of Chicago, 1895, and Summer Quarters, 1897, 1900, 1901 and 1903; Instructor in History and Political Science, Illinois College, 1894-'98; Assistant Professor (in charge) of History and Economics, *ibid.*, 1898-1903; Fellow, Cornell University, 1902-'03; A. M., *ibid.*, 1903; Assistant and Graduate Student, University of Wisconsin, 1903-'04; Instructor in Economics and Sociology, Northwestern University, 1904-'06; Instructor in Economics, University of Missouri, 1906-'09; Professor of Economics and Political Science, Butler College, 1909-—.

HOWARD WOODHEAD, A. B., Ph. D., Acting Professor of Sociology and Economics.

A. B., The University of Chicago, 1900; Travel-study in Europe, 1900-'01; Graduate Student in Sociology and Economics, The University of Chicago, 1901-'03; Dresden Municipal Exposition, 1903; Student, University of Berlin, 1903-'04; Fellow in Sociology, The University of Chicago, 1904-'06; Ph. D., *ibid.*, 1907; Docent in Sociology, *ibid.*, 1907; Acting Professor of Sociology and Economics, Butler College, 1907-1909.

CLARENCE FORSYTH, Professor of Music.

Stuttgart, 1882-'85; *ibid.*, 1887-'89; Berlin, 1894-'95; Paris, 1896.

CLARA FRANCES McINTYRE, A. B., Instructor in French. (5610 East Washington Street.)

A. B., Radcliffe, 1900; Instructor in English, Butler College, 1900-'03; Instructor in French, Butler College, 1903- —.

CORNELIA ADELLE ALLEN, A. M., Instructor in English. (30 Audubon Place.)

Ph. B., Hiram College, 1892; Graduate Student in English, Buchtel College, 1893-'94; Graduate Student in English, Philosophy and History, The University of Chicago, 1894-'96; A. M., Hiram College, 1897; Teacher in Akron, O., Public Schools, 1892-'93; Instructor in English and History, Lockland, O., High School, 1897-1900; Principal, *ibid.*, 1900-'01; Instructor in English and History, Butler College, 1901-'07; Instructor in English, Butler College, 1907- —.

THOMAS ALLAN SIMS, A. B., LL. B., Instructor in Public Speaking.

A. B., University of Michigan, 1904; LL. B., *ibid.*, 1906; Instructor in Public Speaking, Butler College, 1907- —.

ALMA ROSE HOOVER, A. B., Instructor in Mathematics.

A. B., Butler College, 1908.

PEARL LEEDY, Instructor on Piano.

PAUL JEFFRIES, A. B., Instructor in Singing.

Metropolitan School of Music, 1899-'02; Pupil F. X. Arens, 1897-'99, 1903; A. B., Butler College, 1903.

MYRTLE LEWELLYN TAYLOR, Instructor in Art.

Assistant Indianapolis High School, 1893-'94; Special Drawing Teacher, Graded Schools, Indianapolis, 1895-'96; Principal of Art Department, Greenville College, 1897-'99; Butler College, 1900- —.

JOHN McKAY, B. S., Director of Physical Training.

B. S., Westminster College, 1907.

MRS. E. N. EDGINGTON, Head of College Residence.

MARGARET CARLISLE, Librarian.

Officers of the Faculty.

THOMAS C. HOWE.....	President
A. K. ROGERS.....	Registrar and Secretary
R. B. MOORE.....	Examiner
C. B. COLEMAN.....	Adviser

Faculty Committees.

Graduate Studies.

C. B. COLEMAN,	JABEZ HALL,	A. K. ROGERS.
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Debate and Oratory.

J. S. KENYON,	J. W. PUTNAM,	THOMAS A. SIMS.
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College Paper.

A. K. ROGERS,	H. L. BRUNER,	J. K. EGGER.
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Athletics.

C. B. COLEMAN,	R. B. MOORE,	JOHN MCKAY.
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Class Standing.

R. B. MOORE,	E. N. JOHNSON.
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Chapel Exercises and Religious Associations.

J. S. KENYON,	C. B. COLEMAN,	MISS CORNELIA ALLEN.
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Student Affairs.

T. C. HOWE,	C. B. COLEMAN,	J. W. PUTNAM,
	MISS KATHARINE GRAYDON.	

Library.

J. S. KENYON,	E. T. PAINE,	MISS CLARA MCINTYRE.
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HISTORICAL SKETCH

Butler College operates under a special charter granted by the Indiana Legislature in 1849. This charter is ample for university purposes, as will be seen from the following clause defining the purposes and scope of the institution:

The objects and purposes contemplated by this act of incorporation are hereby declared to be, to establish, found and build up, maintain, sustain and perpetuate at or in the vicinity of Indianapolis, in the State of Indiana, an institution of learning of the highest class, for the education of the youth of all parts of the United States, and especially the States of the Northwest; to establish in said institution departments or colleges for the instruction of the students in every branch of liberal and professional education; to educate and prepare suitable teachers for the common schools of the country; to teach and inculcate the Christian faith and Christian morality as taught in the Sacred Scriptures, discarding as uninspired and without authority all writings, formulas, creeds and articles of faith subsequent thereto; and for the promotion of the sciences and arts."

This charter went into effect January 15, 1850. Funds were subscribed by members of the Christian churches and citizens of Indiana, and the College opened its doors November 1, 1855, in the old Northwestern Christian University buildings in what is now College avenue, the City of Indianapolis. The College of Liberal Arts, opened at that time, has had an uninterrupted existence, and from time to time the institution, either through affiliation or by act of its own directors, has conducted professional schools and carried on university work. At the present time the directors have thought best to concentrate their efforts on the School of Liberal Arts, and at the same time, by husbanding resources and collecting additional funds, to prepare to add departments, as circumstances may warrant.

The general control of the institution's affairs is vested in a Board of twenty-one directors. In 1873 the Board determined

to remove to Irvington, and in 1875 instruction of the College classes was begun in the new location. This removal was prompted in part by financial considerations, for the real estate belonging to the University, having been included within the city limits, had greatly appreciated, and the corporation by putting it on the market as city lots, was able to increase its financial resources. It was felt, too, that a suburb, withdrawn somewhat from the distractions of the city, and yet enjoying all the advantages of the capital city, would afford a more desirable place of residence for students.

The name of the institution was changed from Northwestern Christian University to Butler University, February 28, 1877, in recognition of the benefactions of Ovid Butler. This change did not affect any chartered obligations of the corporation in respect to the property or graduates, or its purposes, all of which have been determined by a legislative act and the recorded resolutions of the Board of Directors.

By resolution of the Board of Directors April 8, 1896, the name "Butler College" was adopted in lieu of "Butler University," to designate the undergraduate academic department, which is the only part of the comprehensive plan outlined in the charter that has as yet been realized. The legal name of the corporation, however, remains unchanged.

Present Finan- Another forward step has recently been taken
cial Condition. by the Board of Directors, who, realizing the increasing needs of the institution, have been able to secure an additional endowment of \$250,000. This was made possible through the generosity of Joseph I. Irwin, a director of the corporation, who offered \$100,000 provided a total of \$250,000 was secured. Andrew Carnegie offered the last \$25,000 necessary to secure this endowment. Marshall T. Reeves, a director, subscribed \$25,000, and Charles T. Whitsett gave property netting the College \$12,500 toward the fund, which was completed March 25, 1907, by an energetic effort made by the alumni, citizens of Indianapolis, students in attendance and other friends of the institution.

The directors propose to use all funds at their command to increase the efficiency of the courses of study offered, and to make such additions thereto as may be possible.

The property of the corporation is therefore in a very satisfactory shape. Its endowment has always been kept well invested, yielding an assured income. The affairs of the corporation are in the hands of a Board of Directors devoted to its interests, wise and conservative in all their views, and thorough and prudent in the administration of the trust committed to them. The demands made upon an institution of learning at the present day are greater than ever before. The College is yet insufficiently endowed to meet these demands, and it is hoped that the generous spirit which created and has hitherto sustained it will prompt further provision for its development.

Memorial Gifts. The Board of Directors would encourage gifts in the form of endowments of various chairs of instruction. The sum of \$25,000 will endow a professorship which will perpetually bear the name of the donor, or of the one in whose memory it is established. In this way the Jeremy Anderson Chair of Greek, the Demia Butler Chair of English Literature, and the Addison F. Armstrong Chair of Germanic Languages have been established and endowed. The English department has been enlarged and strengthened by the establishment of the Catharine Merrill chair. This gift to the College, made by grateful students and friends, is a memorial to the name it bears, and is to be devoted to the teaching of English literature. Smaller amounts can be devoted to equally useful purposes. Subscriptions of \$1,000 to \$5,000 can be devoted to the founding of scholarships for the benefit of deserving young people who stand in need of assistance, and of prizes for the reward and encouragement of the ambitious, or to library endowments for particular departments.

Affiliation with the University of Chicago. By mutual agreement, the affiliation between Butler College and the University of Chicago, which has existed since 1898, is to be dissolved in 1910. Meanwhile, only those students who had become eligible to the special privileges offered by the University by October,

1906, will be recommended for the degree of the latter institution on the completion of twelve weeks of resident work after receiving the degree of Butler College. The standards and methods of the College will remain the same, and its graduates will have the same standing in the graduate school of the University.

Training of Teachers. By action of the State Board of Education, Butler College has been "accredited" under the school laws of 1907 for all classes, A, B, C. Graduates of the College who elect courses in psychology and education are admitted to "Class C" of public school teachers without examination, and receive the highest minimum salary authorized by law.

Religious Influence. The purpose of the founders, expressed in their act of incorporation, was to establish an institution of learning which would "teach and inculcate the Christian faith and Christian morality as taught in the sacred Scriptures." A course of study in the English Bible is offered to all candidates for a degree. All students are required to attend the regular chapel exercises. The institution has always been religious in spirit; by the terms of its charter it must always be so.

STUDENT ACTIVITIES

Christian Associations. The Young Men's Christian Association and the Young Women's Christian Association are voluntary organizations of students and instructors for the promotion of religious culture and for Christian work in College. Their members are sincere and energetic, and always extend to new students a very cordial welcome. The two associations hold prayer meetings every week, thus greatly assisting in maintaining Christian zeal among the students. A committee from each of these associations is in attendance during the first week of the Fall term for the purpose of assisting those entering college with information in regard to rooms, etc., and in general to afford any assistance in their power, which students who are strangers in Irvington may feel inclined to seek from them. The Y. M. C. A. and the Y. W. C. A. unite in a social given at the beginning of each term, to which all students are invited. This affords opportunity for old students to welcome new, and for all to cultivate more intimate acquaintance. All students who are church members are eligible to active membership in these associations. Students not identified with any church may become associate members.

College Paper. A weekly paper, called "The Butler Collegian," is published in the interest of the students of Butler College, to give the College news and to reflect student opinion. It is edited by representatives of the various College classes. Students and graduates are cordially invited to contribute illustrations, articles, verses, letters and information.

Debates. In the Fall term, annually, a debate is held between representatives of the Freshman and Sophomore classes.

The College is joined with Wabash and Earlham Colleges in a Triangular Debating League. The purposes of the league are to foster the interests of debating and to discuss in public lead-

ing questions of the day. A question for debate is chosen early in the year by representatives of the three colleges. Each college trains an affirmative and a negative team. For the intercollegiate debate the negative team, in each instance, remains at home and debates with the affirmative team of a visiting college. Each of the three colleges is thus enabled to meet representatives of both the other colleges. The men who represent Butler College in the Triangular Debating League are chosen during the Fall term.

Oratorical Contests. Seven colleges, of which this institution is one, compose the Indiana State Oratorical Association. The local association is composed of members of the College classes. The object of this association is to advance oratory by encouraging students to write and deliver orations. Preliminary contests are held annually to decide upon a representative for the State contests. Contestants are judged on thought, composition and delivery. The contestant receiving the highest average award by the judges represents the College at the State contest. The successful contestant in the State contest represents the State of Indiana in the Interstate contest, composed of ten Western States.

Literary Society. The Philokurian Literary Society, organized in 1876, holds weekly meetings in its hall at the College. Its membership was originally confined to young men, but later young women have also been admitted. The society is in a prosperous condition.

The Lotus Club. This is an association whose object is the bringing together socially of the young women in College, thus encouraging friendly intercourse among them. The club is governed by an executive board, elected at the end of each year.

The Sandwich Club. The young men of the College interested in religious work are associated in an organization styled as above. Social meetings are held fortnightly, when luncheon is served, business attended to, and a prepared pro-

gram rendered. Prominent religious leaders are often present at these meetings to address students on the various phases of church work.

The Butler Press Club. The Butler Press Club is composed of young men interested in journalism, and is a member of the Indiana Association of Press Clubs. Its meetings are addressed by prominent newspaper men of the State.

Dramatic Club. The Dramatic Club, for men and women, has for its purpose the promotion of college dramatics. Election to membership in the club is by competitive tests.

Athletics. Various forms of athletics common in colleges are carried on at Butler College under the supervision of a well-trained director. The purpose is to give proper physical training to as large a proportion as possible of the student body, to enliven the college life with wholesome recreation, and to develop those manly qualities which are brought out in a good game well and fairly played. Baseball, football, basketball and track teams are supported by the Athletic Association. There is a board of control composed of three members of the faculty and two students.

Irwin field, adjoining the campus, affords facilities for all outdoor games.

Regular gymnastic work in the gymnasium is required of all students in the two lower classes, and is directed by a competent instructor. The campus is well equipped with tennis courts, to which students have access.

Intercollegiate Contests. No student is eligible to represent the College in any contest, (a) who is not carrying at least two major courses during the term in which such contest occurs; (b) who has failed to secure credits in at least two major courses during the preceding term (but this is not to exclude new students); (c) who fails to do his work during the current term to the satisfaction of his instructors; or (d) who enters College later than the third week of the term.

LOCATION AND BUILDINGS

Location. Indianapolis is not only the capital of the State, but its intellectual, literary, commercial and geographical center. Railroads radiating in every direction and the growing system of interurban electric cars make it the most easily accessible point in Indiana or any of the adjoining States. Indianapolis affords unique advantages as to location for a college. The best musical entertainments and the most noted lecturers are here brought within reach of the students. The College is located at Irvington, a pleasant and healthful residence suburb, reached by a twenty-minute ride on the East Washington street electric cars, which leave the center of the city every five minutes. Irvington is within the city limits of Indianapolis and is regarded as the most attractive place in the vicinity for suburban residence. Its population consists largely of those who have been drawn thither by educational inducements. This gives it a special character of cultivation and good order, while as a home for students it is singularly free from the temptations and dangers often surrounding college life. There are no drinking saloons in the vicinity.

Main College Building. The main college building is of brick, trimmed with stone, having a frontage of 135 feet and a depth of 75 feet, containing eighteen recitation rooms, besides the administrative offices, the College chapel, literary society and Y. M. C. A. halls, cloak and retiring rooms. It is heated throughout by steam, supplied with water and lighted by electricity, and in its internal finish and arrangements well suited to the purposes for which it was designed.

Burgess Hall. The Burgess Science hall is three stories high, constructed of brick and trimmed with stone. It has a frontage of 100 feet and a depth of 75 feet. It contains six large recitation rooms, the museum hall, the Athenæum hall, and the chem-

ical, physical and biological laboratories. The architecture is modern and attractive, and all its appointments are well adapted to the uses for which the building was designed.

The museum contains abundant material for illustrating the sciences of Zoology, Mineralogy and Geology. Some of the materials have been obtained by purchase, some have been contributed by the friends of the institution and some by the National Museum, while a considerable portion has been collected by the professors who have occupied the chairs in this department. The museum contains the following collections:

1. A series of fossils and rocks illustrating the geology of the Mississippi Valley, especially that of Indiana and Ohio.

2. A collection of fresh water fishes of the United States, made principally by Drs. David Starr Jordan and O. P. Hay, when they were professors of Biology in Butler College.

3. A series of marine fishes from the United States National Museum.

4. Reptiles and amphibians of Indiana, collected by Dr. Hay and others.

5. A large collection of representative minerals.

6. Land, fresh water and marine shells, including about four thousand specimens.

7. A considerable number of aboriginal stone implements from the United States.

8. A collection of marine invertebrates, mainly from the New England coast, deposited by Professor Bruner.

9. Marine invertebrates from the Atlantic, Gulf and Pacific coasts, presented by the National Museum and the Fish Commission.

The biological laboratory is well equipped and has its own working library. Additions are being constantly made to the apparatus and equipment of these laboratories.

The chemical laboratories are conveniently arranged and supplied with water, gas, hoods, means of ventilation, and ample apparatus and chemicals.

The physical laboratory has a fair equipment for such experi-

mental work as falls within the scope of the courses offered in this department.

Bona Thompson Memorial Library. A library building equal in construction and equipment to any in the State was erected during the year 1903, by the liberality of the late Mr. and Mrs. E. C. Thompson, in memory of their daughter, Bona Thompson, who was a graduate of Butler in the class of 1897. The building is constructed of Bedford limestone and gray brick, and is of fireproof construction. It contains two commodious reading rooms, librarian's room and a seminar room. The book-stack room, filled with steel stacks, has a capacity of 60,000 volumes. The College library at present contains about 12,000 volumes, chosen with special reference to the needs of students, in addition to extensive files of valuable government reports and documents. Every year there are added by purchase the latest and best works in the several departments. The encyclopedias, lexicons and other works of reference are numerous, and represent the best and most modern scholarship.

By a special arrangement with the Indianapolis City Library Board, a free daily delivery of books from the city library to the College library has been established, so that students now have free and convenient access to libraries aggregating not less than 110,000 volumes. In addition to this the State Library, containing 30,000 volumes and located in the State House, is open to students, who will find it valuable for special research.

The reading room receives regularly the best publications, weeklies, monthlies and quarterlies of this country and Europe. The advantages of the library and reading room are open alike to all classes of students in the College.

Astronomical Observatory. The astronomical observatory stands on the high ground in the northeast corner of the campus. In its construction are embodied whatever conveniences are necessary for the efficient use of the equatorial telescope. The building is octagonal, resting on a deep foundation and having a revolving dome, with sliding panel giving unobstructed sky-view

from horizon to zenith. The instrument rests on a pedestal, which stands on a column of brick and stone, protected from the effects of external temperature changes by a detached inclosing cylinder of the same material. The telescope is equatorially mounted by Fauth & Co., of Washington, with the usual adjuncts of declination and hour circles, and clock-work for diurnal rotation. The object glass of six inches diameter was made by the firm of Alvin Clark & Sons, of Boston, and, with the half-dozen eye-pieces, gives a perfection of work which does no discredit to the manufacturers. The focal distance of the object glass is eight feet, and the magnifying power of the instrument ranges from seventy to five hundred diameters.

College Residence. This attractive and comfortable home for young women students is a substantially constructed brick building, located on the campus in close proximity to the lecture halls and laboratories. It is heated by steam and lighted by electricity, and is equipped with modern conveniences. The rooms contain all necessary furniture, but students provide their own bed linen, towels and toilet articles, and any decorations desired. The rooms are entirely cared for by competent maids.

The dining-room service is directly under the control of the College. All possible pains are taken to make the meals wholesome and attractive, and every effort is made to keep the service up to the standard of refined homes.

The Head of the Residence has general oversight of the young women living there. She will be glad to answer inquiries of parents concerning the progress of their daughters. The advantages of this home are offered to young women at lower rates than those at which approximately equal advantages may be obtained in private residences. The Residence is maintained solely for the accommodation of young women who, coming from a distance to attend the College, must find boarding places in Irvington; and all such are required to make their home there.

For special circular showing plan of building and giving de-

tailed information about rooms, address the Head of the Residence.

Gymnasium. The gymnasium building, built of red brick and buff limestone, contains a main exercising hall thirty-five by fifty-eight feet, well ventilated and lighted, with double oak floor and high ceiling. There are bathrooms, with hot and cold water, lockers, and necessary accommodations for the students who use the gymnasium, and also for the athletic teams. Certain hours are set apart for the use of the gymnasium by the young women.

The power house, containing the electric lighting plant and the furnaces and boilers by which all the College buildings are heated, is externally a part of the gymnasium building, but is in reality a separate structure.

EXPENSES AND PRIZES

The College year consists of three terms of twelve weeks each. The fees payable to the College on account of instruction, library and incidentals, exclusive of laboratory fees, amount to \$16.00 per term for three or for two subjects. For a single subject \$9.00 will be charged. Students undertaking a fourth subject of study will pay \$5.00, in addition to the regular fee, for a major course, or \$2.50 for a minor. In addition the following extra charges are made: Special student, \$3.00 (except as provided on page 37). In the departments of Biology, Chemistry and Physics, laboratory fees, ranging from \$1.50 to \$4.00, to cover cost of materials used and ordinary wear on apparatus. Students are required to pay for apparatus broken or injured. For a special examination a fee of \$1.00 is charged. For each day's delay in registering after the date appointed (see College Calendar, page 3), a fee of \$1.00 is charged; the total, however, is not to exceed \$3.00. For a change of registration, after a registration card has once been issued, a fee of \$1.00 is charged. For the Bachelor of Arts' diploma a fee of \$5.00 is charged; for the Master of Arts' diploma, \$10.00. Graduating fees must be paid before the conferral of degrees.

Term bills must be paid at the beginning of each term. In case of the absence of a student for half or more than half of the term, one-half of the fee paid by him for that term may be credited on a future term.

Expenses of Residence. Following are estimates of yearly expenses for the session of thirty-six weeks:

	Lowest	Average	(with Lab.)	Liberal
Fees	\$ 48.00	\$ 48.00		\$ 57.00
Room	27.00	36.00		54.00
Board	72.00	126.00		126.00
Books	10.00	15.00		20.00
	<hr/>	<hr/>		<hr/>
	\$157.00	\$225.00		\$257.00

The above "average" and "liberal" estimates for board and room are based on the rates charged at the College Residence,

where rooms may be obtained by young ladies at prices ranging from \$9 to \$18 per term of twelve weeks, and table board is furnished at \$42 per term. Room rent at the Residence is payable in advance at the beginning of the term, and no rebate is allowed if the room is vacated before the end of the term. Board bills for the term are payable in three equal installments. No reduction is made for occasional absences.

Board and rooms may be obtained in private families at about the same rates. Students who feel it necessary to curtail expenses as much as possible will find rooms to let at lower rates, with facilities for independent housekeeping, or opportunity for the formation of clubs.

Aid and

Self-Support.

While the College can not guarantee employment to students desiring to earn their way, its officers will gladly do all within their power to assist students in securing profitable employment. In a city of the size of Indianapolis there is always work to be done, and a student who is energetic, determined and self-reliant need have no fear but that he can earn enough to meet either part or all of his expenses.

Ministerial students will find here exceptional facilities for self-support, owing to the location of the College at the center from which railways and interurban electric lines radiate to all parts of the State, and the large number of Christian churches within a convenient distance which depend upon student preaching. The College always has more calls for preachers than it can supply.

Prizes.

Prize medals, through the generosity of the Hon. Addison C. Harris, have been provided to be given to the orator and the debaters representing Butler College in intercollegiate contests.

Three scholarships yielding free tuition in the University of Chicago for one year (three quarters) are granted annually to graduates of Butler College nominated by the College. These scholarships represent a value of \$120 each. But see page 13.

REGISTRATION AND ENTRANCE

Butler College offers its advantages to the following classes of students:

Regular College Students. (For requirements for admission and graduation, see pages 27-38.)

Special Students, not candidates for a degree. (See page 37.)

Ministerial Students, who may be either graduates or special students.

Graduate Students, who must have the baccalaureate degree from Butler College, or some institution of similar rank, and who may become candidates for the degree of Master of Arts. (See page 35.)

Music Students, who may be either studying music in addition to their regular college work, or taking the full musical course. (See page 79.) *

Art Students, who may or may not be doing academic work also. (See page 81.)

Students in the Extension Courses, who attend weekly classes held in a central location in Indianapolis, and who may or may not be candidates for a degree. (See page 91.)

Normal Students, who are qualifying for the teaching profession under the State law.

Classification. Students are not classified on the records of the College except as above indicated. Their names are printed in the catalog in alphabetical order. Entrance conditions must be made good at once; and no one having more than two entrance units in arrears, except graduates of commissioned high schools, will be classed as a regular college student.

Registration. The office hours of members of the faculty on days appointed for registration (see College Calendar), are 9 to 12 a. m. and 2 to 4 p. m. Applicants in order to secure prompt

attention should present themselves on the days and at the hours designated.

New students will first present their credentials to the examiner, from whom they will receive statements of the credits granted. On presentation of these to the adviser, they will be assigned to their classes. Old students will go at once to the adviser for assignment to classes.

The penalty for late registration is \$1.00 for each day's delay until the total shall amount to \$3.00. Each change of registration, unless necessitated by action of the faculty, is subject to a penalty of \$1.00.

REQUIREMENTS FOR ADMISSION

Preparation for admission to the Freshman class is expected to cover a period of four years in a good high school or academy.

Graduates of commissioned high schools in Indiana and of schools of similar grade in other States are admitted to the Freshman class without examination, but such admission does not excuse them from making good any of the entrance requirements which are not covered by the high school credits.

All other candidates for admission will receive from the examiner statements showing the maximum credits which may be granted. On presentation of these statements to the instructors whose departments correspond to the preparatory departments in which credits are claimed, arrangements will be made to determine the exact amount of credit to be allowed in the respective departments.

Students who expect to enter without examination should present specific statements of the work that has been done—not simply diplomas from high schools or academies. Blanks prepared for this purpose will be furnished on application. Certificates, upon which entrance credits are to be granted, must be signed by the principal of the school in which the work was done.

Admission credits are reckoned in units. A *unit* is the equivalent of a course of study extending through one full year of not less than thirty weeks, and occupying five hours of recitation per week. Two hours of laboratory work are regarded as equivalent to one hour of prepared work. No fractional units are credited except as here indicated.

Fifteen units are required for entrance to Freshman class. Of this number $5\frac{1}{2}$ are definitely prescribed, 5 are to be chosen from certain specified groups, and $4\frac{1}{2}$ are elective.

Required:

English	3	units.
Mathematics	2½	units.
Foreign Language (from Group I).....	3	units.
History (from Group II).....	1	unit.
Science (from Group III).....	1	unit.

Elective:

From Groups I-IV.....	4½	units.
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Total	15	units.
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The required work in English (3 units) is equivalent to the usual three years of English, including composition, rhetoric and literature, as taught in good high schools. Candidates who present a fourth year of English may receive credit for it as an elective. (See Group IV below.)

The required work in Mathematics (2½ units, as above) includes algebra to quadratic equations (1 unit), quadratic equations (½ unit) and plane geometry (1 unit). Candidates who offer more than the minimum requirement in Mathematics may receive credit for it as an elective. (See Group IV.)

The groups from which the required work in foreign language, history and science must be chosen are as follow:

GROUP I.

Foreign Language.

Latin 1.	Beginning course and Cæsar, 4 books	2 units.
Latin 2.	Cicero, 6 orations, or Cicero, 4 orations and Vergil, 2 books	1 unit.
Latin 3.	Vergil, 5 books.....	1 unit.
Latin 4.	Tacitus	½ unit.
Latin 5.	Livy	½ unit.
Greek 1.	Beginning course and Anabasis, Book I.....	1 unit.
Greek 2.	Anabasis II—IV, with Barnes's Composition, and Homer's Iliad, Books I—II.....	1 unit.
Greek 3.	Plato, Herodotus, or equivalent authors	1 unit.
German 1.	Beginning course	1 unit.

German 2. Second year	1 unit.
German 3. Third year	1 unit.
French 1. Beginning course.....	1 unit.
French 2. Second year	1 unit.
French 3. Third year	1 unit.
Spanish 1. Beginning course.....	1 unit.

NOTE.—At least three units must be offered from this group, and at least two of these must be in one language.

For every unit of language work offered for entrance in excess of the minimum requirement of three units, the candidate will be excused from one year of the required language work in College.

GROUP II.

History and Civics.

General History	1 unit.
Ancient History	1 unit.
Medieval ($\frac{1}{2}$) and Modern History ($\frac{1}{2}$)....	1 unit.
English History	$\frac{1}{2}$ unit.
United States History.....	$\frac{1}{2}$ unit.
Civics	$\frac{1}{2}$ unit.
Economics	$\frac{1}{2}$ unit.

NOTE.—Credit will not be given for both General History and Ancient History. Credit will not be given for both Civics and Economics unless one unit of History is also offered. Not more than 3 units in all will be accepted from this group.

GROUP III.

Natural Science.

Physics	1 unit.
Chemistry	1 unit.
Botany	$\frac{1}{2}$ or 1 unit.
Zoology	1 unit.
General Biology	1 unit.
Physiology	$\frac{1}{2}$ unit.
Physical Geography	$\frac{1}{2}$ unit.
Geology	$\frac{1}{2}$ unit.
Astronomy	$\frac{1}{2}$ unit.

NOTE.—Not more than 4 units in all will be accepted from this group.

GROUP IV.

Advanced Courses in Required Subjects.

English 4.	(First half of fourth year High School English).	$\frac{1}{2}$ unit.
English 5.	(Second half of fourth year High School English).	$\frac{1}{2}$ unit.
Mathematics 4.	Solid Geometry	$\frac{1}{2}$ unit.
Mathematics 5.	Trigonometry	$\frac{1}{2}$ unit.
Mathematics 6.	College Algebra	$\frac{1}{2}$ unit.

NOTE.—None of the courses in this group is required for entrance, but they may be offered among the $4\frac{1}{2}$ units of electives which must be presented.

Conditioned Students. If a student is conditioned in any admission subjects, he must begin at once to make up his deficiencies, those in *required* subjects being taken first, and precedence being given at all times to those courses which may be offered in lieu of the deficiencies.

If the conditioned student is deficient in subjects in which instruction is offered by the College, he must elect from the courses offered by the College a sufficient number of courses which may be offered for entrance, to make good the deficiency. In this case, 2 majors of college work will be accepted as equivalent to 1 unit of preparatory work. But Greek 1, 2, 3; German 1, 2, 3; French 1, 2, 3; and three majors of natural science, unless a unit of natural science shall have been offered on admission, will be accepted only on the basis of 3 majors for 1 unit of entrance work, and English A will be credited for admission only according to the judgment of the instructor in charge. If the conditioned student is deficient in subjects in which the College offers no instruction, such deficiencies may be made up under approved tutors or in a high school of Indianapolis.

Special Announcement. On account of the development of good high schools almost everywhere, the College has discontinued its preparatory department; but for the accommodation of students already enrolled in the department, competent tutors will be provided.

Advanced Standing. Students coming from *high schools* or other secondary schools, and presenting credits in excess of those required to fulfill the entrance requirements, may, in certain departments, secure college credit for the work by passing an examination in it; or, at the discretion of the instructors concerned, such students may receive college credit for this work on the completion of at least two further courses in the same departments with a grade of 80 or more in each course. The following limitations will, however, be observed:

1. In no case will a preparatory unit be accepted for more than two college majors. (A major is a five-hour course for twelve weeks.)

2. Where three units from Group II (History) have been presented for entrance, no college credit will be granted for additional work in that group.

3. Where four units from Group III (Science) have been presented for entrance, no college credit will be granted for additional work in that group.

4. No more than a total of nine college majors will in any case be credited on the basis of work in a high school or other secondary school, even in cases where "postgraduate" high school work has been done.

5. Only in the following subjects may college credit be obtained, and to the maximum amount indicated in each case:

English	3 majors.	Mathematics	3 majors.
Latin	4 majors.	Physics	2 majors.
Greek	4 majors.	Chemistry	2 majors.
German	6 majors.	Botany	2 majors.
French	6 majors.	History	2 majors.
Spanish	2 majors.		

Students coming from other *colleges* or universities may receive advanced standing upon presentation of statements of the work which they have done. These statements should include (a) an officially signed statement certifying to the college credits that have been earned, and (b) a statement of the work which was done in satisfaction of entrance requirements. Such state-

ments should indicate the subjects studied, ground covered, number of weeks and number of hours of recitation per week. In the case of students coming from colleges whose entrance requirements are less than those of Butler College, a sufficient number of college credits will be applied to make good the deficiency in preparatory credits.

To receive credit toward advanced standing, application must be made to the examiner at the time of matriculation, or earlier. It is desirable that candidates for advanced standing should forward their statements of work before presenting themselves for entrance. No student from another college will be admitted except upon presentation of a certificate of honorable dismissal.

REQUIREMENTS FOR GRADUATION

The plan of study offered to the student in the requirements for graduation is an attempt to combine the essentials of general culture, which is the prime object of the undergraduate college course, with an opportunity for development along the lines of the student's natural interest, and preparation for university and professional study.

The normal length of time required for the college course is four years, but students who have the necessary ability and industry can complete it within three calendar years.

In addition to the entrance units (see pages 27 *sq.*), there are required for graduation thirty-six majors of class instruction and two majors of physical culture.

A *major* is the equivalent of five hours' classroom work each week for a term of twelve weeks. Where laboratory work is carried on, two to three hours in the laboratory are equivalent to one hour in the classroom. In some of the more advanced courses, where much private work may profitably be laid out for the student, the number of hours each week which shall be equivalent to a major, may be determined by the instructor. A *minor* is a course of two or three hours a week for twelve weeks.

These courses are elective under the following conditions:

1. Students, as a rule, will assume work to the total value of three majors each term. No student may take fewer than three major courses without the special consent of the President, given on recommendation of the adviser. If a student's average grade for the term next preceding shall have been as high as 80, he may take work to the aggregate value of four majors. But in no case may he take more than this amount during any one term. A fee of \$5.00 will be charged for an additional major course, or of \$2.50 for each additional minor course in excess of three

majors. These restrictions do not apply to courses in physical training. In any case, the courses chosen must not conflict in times of recitation, and all work, to receive credit, must be done in class.

2. REQUIRED SUBJECTS.—(a) Students offering the minimum (three entrance units) of language work (Group I) for entrance, must elect nine majors of foreign language in college. For every additional language unit offered for entrance, three majors may be deducted from the nine required in college. Thus a student who presents four units of language for entrance will take six majors in college. One who presents five units will take three majors. One who presents six units is entirely relieved from the college language requirement. In any case, however, the total required work in foreign language for entrance and in college (six years' work in all) must not be divided between less than two or more than three languages, and must include at least three years' work in some one language.

(b) Students who present less than two units of physical science (Group III) for entrance, must elect three majors in a laboratory science not offered for admission.

At least six majors in the subjects thus required must be taken during the first year of residence, and the remainder during the second year. Students entering with advanced standing must begin at once to meet these requirements.

3. At least nine major courses must be taken in one department, or twelve in closely related departments. In the latter case, six majors must be taken in one department and the remainder in subjects approved by that department.

4. Not more than twelve majors may be taken in any one department. During the first two years, not more than one major course each term may be taken in one department. In construing this rule, the courses in Forensics and Oratory are not considered as belonging to the department of English.

5. The following courses (unless taken to meet entrance requirements) will have the value of one minor each to students who are credited with 26 majors: Latin A, 1, 2, 3; Greek 1, 2, 3; German 1, 2, 3; French 1, 2, 3; English 1, 2, 3; Mathematics 1, 2, 3.

6. Not more than six majors may be credited from the courses offered by the Divinity School, and the student may not offer those courses which are indicated as not to be credited toward the A. B. degree. But three majors in Biblical Literature in English may be offered in addition to these six. Students presenting advanced theological credits from other institutions will be similarly restricted as to amount and character of work to be accepted.

In making his choice the student must observe any restrictions and prerequisites that may be attached to the particular courses he wishes to select. All courses must be selected in consultation with the adviser.

Any student coming from another institution is required to take at least the last nine major courses in residence at this College before receiving the degree.

Upon the satisfactory completion of the aggregate requirements as here given, and the payment of the graduation fee (see page 23), the student is entitled to receive the degree of Bachelor of Arts.

Graduate Students. The College confers the degree of Master of Arts on applicants holding the corresponding baccalaureate degree. In case the applicant's undergraduate work has been done at another college, he is required to show that such work is fully equivalent to that required for the baccalaureate degree at this College. Applicants who have not completed the necessary amount of work must make up their deficiencies by taking the required courses for which they do not present equivalents, and elective courses sufficient to complete thirty-six credits, before they will be admitted to candidacy for the second degree.

The degree of Master of Arts is not conferred except for resident work, and credit toward it can be given only for work done under the direction of the College. The degree is given only to those applicants whose work and thesis show them to have the required proficiency in the subject chosen, and is not guaranteed at the end of any definite period of work. It is conferred subject to the following conditions:

The applicant must satisfactorily complete nine major courses, part or all of which may be selected in the Divinity School, and present a satisfactory thesis in his leading subject. The leading subject shall consist of three major courses of advanced work taken consecutively in one line of study. The work of candidates for the Master of Arts degree may consist (a) of subjects especially assigned to individual students, and (b) of lines of study to be selected, under the direction of the faculty, from advanced undergraduate elective work. No required undergraduate courses, and none of the courses specified in Rule 5, page 35, will be credited for the degree of Master of Arts. In addition to the ordinary term examinations, the candidate's qualifications for the degree are tested by an oral examination in the work which he has taken.

No work done by a student while yet an undergraduate shall be allowed to count toward fulfilling the requirements of a graduate course; but students who finish their undergraduate work before the close of the college year may begin their graduate work at once without waiting for the conferring of the Bachelor of Arts degree. Graduate students are subject to the same regulations regarding number of subjects to be taken as undergraduate students. In all cases the work of candidates for the degree of Master of Arts is subject to the approval of the faculty committee on graduate work, and to this committee all proposed graduate work must first be submitted. A typewritten copy of the thesis upon the regulation paper must be deposited in the library, and the graduation fee paid (see page 23), before the degree will be granted.

Special Students. Any person, not a candidate for a degree, may be admitted as a special student and allowed to pursue a special course of study under the following conditions:

1. If under 21 years of age, the applicant must satisfy the requirements for admission to the College to the same extent as regular students, and must pay a fee of \$3.00 a term in addition to the fee paid by regular students.

2. If over 21 years of age, the applicant may be admitted, without examination and without extra fee, provided he gives evidence to the adviser that he possesses the requisite information and ability to pursue profitably the chosen courses.

3. Only persons having a definite end in view, approved by the President, will be accepted as special students, and no applicant for a special course will be admitted unless urgent need of such course shall appear.

4. No regular student who fails in his work will be allowed to become a special student until he has made good his failures.

5. Special students are subject to the same regulations as regular students with regard to the amount and quality of work performed, and attendance at recitations and examinations. The faculty may at any time deprive any special student of his privileges if it appears that he is abusing or neglecting them.

Examinations. Examinations in all courses of study are held at the close of each quarter in the same order as the regular recitations. Students are graded in each study pursued during the quarter. A student failing in any subject must make such failure good within a period of one year, in order to receive credit for the course. Absence from examinations counts as failure. A student taking an examination at a time other than that appointed for his class must first pay to the treasurer, for the benefit of the library fund, the sum of one dollar.

Quarterly Reports. As soon as possible after the quarterly examinations, a report of the attendance and proficiency of each student is prepared and sent to his parent or guardian, who is earnestly requested to give such report careful attention, or to notify the secretary of any failure to receive it. These reports should be preserved.

Students are graded on a scale of 100 as follows: 60 is passing grade; and 80 indicates a good degree of excellence.

The term report made at the close of the Spring term will indicate, also, the student's arrears (if any) in entrance requirements and prescribed work, and will give the number of credits toward graduation due him, thus showing his classification for the beginning of the following year.

COURSES OF INSTRUCTION

When an announced course has not been applied for by at least three students, candidates for a degree, the instructor shall be at liberty to withdraw the course.

Class exercises are daily, from Tuesday to Saturday inclusive, unless otherwise indicated in statement of courses.

The week-holiday is Monday.

All courses are majors unless otherwise indicated.

Bracketed courses will not be offered in 1909-'10.

LATIN.

PROFESSOR PAINE.

———, Instructor in Latin.

General Statement. In the Latin work of the first college year (courses 1, 2, 3) the especial aim is to develop the student's grasp of the language. To that end there is much insistence on vocabulary practice and oral reading, as well as upon accurate and finished translation. The advanced courses, which are either continuous or supplementary to one another, seek primarily to foster real appreciation of Roman literature for its own sake.

Courses.

- A, 1. VERGIL: The Aeneid. Three books, with work in grammar and composition. Prerequisite, at least 2 units of entrance Latin. *Winter, 3:00.*
- A, 2. VERGIL: The Aeneid. Three additional books. Grammar; composition. Prerequisite, course A, 1. *Spring, 3:00.*
1. LIVY: Books I and XXI. Selections from other books. Special study of the regal period of Roman history. Grammatical review. Sight translation. *Fall, 11:30.*

2. TACITUS: Agricola and Germania. Illustrative passages from other writings of Tacitus. These works are read with detailed reference to their historical and literary value.
Winter, 11:30.
3. HORACE: Odes and Epodes. Intensive study of specimen odes. Rapid translation of other poems. Analysis of the versification. Oral reading. Literary criticism.
Spring, 11:30.
4. HORACE: Satires and Epistles. Designed to complete the study of Horace begun in course 3. *Fall, 10:30.*
5. CATULLUS, TIBULLUS AND PROPERTIUS: Aims and methods as in course 3. *Winter, 10:30.*
6. PLAUTUS: Captivi and Trinummus. Sight translation from other plays. Metrical analysis. Oral reading.
Spring, 10:30.
7. LUCRETII: De Rerum Natura. Reading and translation of selected passages. Collateral study of Epicureanism and related philosophical systems among the Romans. *Fall, 9:00.*
8. CICERO: De Natura Deorum. Designed to continue the study of Roman philosophical writing begun in course 7.
Winter, 9:00.
9. TEACHERS' COURSE. Brief survey of Latin grammar with reference to teaching. Discussion of other matters relating to secondary school instruction. This course is adapted to the needs of students who elect it, and a literary subject will be substituted if desired. *Spring, 9:00.*

GREEK.

PROFESSOR PAINE (in charge.)

General Statement. In this department the ultimate aim is a broad and at the same time accurate knowledge of the subjects undertaken. Students are encouraged to work toward

appreciation of Greek for its own sake and toward facility in the use of Greek texts as original sources. In the elementary course the instructor gives particular attention to the needs of beginners, assisting them to cover rapidly as college students the work commonly done through a more extended period in preparatory schools. The advanced courses are designed, as far as possible, to continue or supplement one another.

Courses 1, 2, 3 are continuous and all must be taken if credit in any one of them is desired.

For students credited with 26 majors or more, courses 1, 2, 3 have the value of one minor each.

Courses.

- 1, 2, 3. ELEMENTARY GREEK. Special effort is made with mature students to prepare them in one year for subsequent courses in classical Greek, or the New Testament. White's First Greek Book. Xenophon's Anabasis.

Fall, Winter, Spring, 10:30.

4. PLATO: Apology of Socrates and Crito. Selections from other dialogues. Greek syntax and prose composition. Sight reading in Xenophon's Memorabilia.

Fall, 9:00.

5. INTRODUCTION TO GREEK ORATORY: Selected orations of Lysias. Sight translation.

Winter, 9:00.

6. INTRODUCTORY STUDY OF THE GREEK DRAMA: The Prometheus Bound of Aeschylus and Iphigenia among the Taurians of Euripides. Collateral study of the Greek theater and presentation of the dramas.

Spring, 9:00.

7. HOMER: Selected books of the Iliad. Object, genuine literary appreciation of the Homeric poems. Special reference to Mycenæan archeology and the Homeric question.

Fall, 8:00.

8. LUCIAN: The Dream, Charon, Sale of Lives, Peregrinus. Sight translation of representative dialogues with a view to

gaining as comprehensive a view as possible of Lucian's writings. *Winter, 8:00.*

9. AESCHYLUS: The Agamemnon and other dramas.

Spring, 8:00.

- [10. MODERN GREEK: Grammar, short stories and poetry.]

11. GREEK LITERATURE IN ENGLISH: A general survey of Greek literature. Homer and the dramatists are read in translation. Lectures by the instructor. Reports on assigned topics by members of the class.

Spring, 11:30 (provisional.)

GERMAN.

PROFESSOR HOWE.

ASSISTANT PROFESSOR EGGER.

General Statement. The College library is sufficient for very satisfactory study of German literature, and includes a complete set of Kuerschner's Deutsche National-Literatur, comprising over 200 volumes.

Courses in Gothic and Old High German may be arranged with the instructor by advanced students.

Courses 1, 2, 3 are continuous, and all must be taken in order to receive credit.

To students credited with 26 majors or more, courses 1, 2, 3 have the value of one minor each.

Courses.

- 1, 2, 3 form a continuous course in beginning German for college students. The first few weeks are devoted to acquiring a sufficient knowledge of the grammatical forms to enable the student to begin reading easy prose. The remainder of the course consists of exercises in translating from German into English, from English into German, and in a more thorough study of the grammar.

Fall, Winter, Spring, 2:00.

4. Reading of selected prose works. Exercises in Poll's Composition and von Jagemann's Syntax twice each week. Pre-requisite, courses 1, 2, 3, or equivalent. *Fall, 8:00.*
5. SCHILLER: The course begins with the reading of Schiller's Thirty Years' War. This is followed by Wallenstein's Lager and Die Piccolomini. Lectures and collateral reading on the life and works of Schiller. Composition as in course 4 continued. *Winter, 8:00.*
6. SCHILLER: Reading of Wallenstein's Tod and one other of Schiller's dramas; or, selections from the author's Gedichte on the basis of von Klenze's Deutsche Gedichte. Lectures and collateral reading on the works studied. Composition as in course 5. *Spring, 8:00.*
7. GOETHE: Reading of Goetz von Berlichingen and Egmont, together with the study of the author's life and works by means of lectures and assigned reading. Composition exercises and German theme writing. *Fall, 9:00.*
8. GOETHE: This course consists in reading in class Dichtung und Wahrheit; also written studies of other works of the author are required from the members of the class. Exercises in writing German. *Winter, 9:00.*
9. FAUST: Reading of Part I and parts of Part II. A study of the Faust Legend and of the origin and development of Goethe's Faust. Thomas's Faust is used as a text-book. Exercises in writing German. *Spring, 9:00.*
- [10. THE ROMANTIC MOVEMENT: A study of the Romantic Movement in Germany by means of lectures and assigned reading. Members of the class are required to prepare written studies of the works of those authors treated in the lectures. *Fall.]*
- [11. THE MODERN GERMAN DRAMA: Selected works of the most important modern dramatists are read in class. Lectures

on the history of the drama. Theses prepared by the class on assigned reading. *Winter.]*

- [12. THE GERMAN NOVEL: The history of the German novel is treated in lectures, and novels are read in class. Much collateral reading of German fiction is done and reports are required on the works thus read. *Spring.]*
13. HISTORY OF GERMAN LITERATURE: This course consists of lectures on the early periods of German literature down to the time of Luther. References to the usual histories of the literature and to the works of the authors considered. Assigned reading and reports. *Fall, 8:00.*
14. HISTORY OF GERMAN LITERATURE continued: This course deals with the literature from the rise of Luther to the beginning of the Eighteenth Century, and includes a treatment of the origin and early history of both the novel and the drama in Germany. Collateral reading and reports. *Winter, 8:00.*
15. HISTORY OF GERMAN LITERATURE concluded. The literature of the Eighteenth and early Nineteenth Centuries is studied. Collateral reading and reports. *Spring, 8:00.*

NOTE.—Courses 10, 11, 12 alternate with courses 13, 14, 15, and the student must have taken at least the equivalent of courses 4, 5, 6, 7, 8, 9 to be admitted to them.

ROMANCE LANGUAGES.

MISS MCINTYRE.

ASSISTANT PROFESSOR EGGER.

General Statement. In French a course extending over three years is offered, and the work is intended primarily for college students already trained to college study. However, for the third year French different courses are offered in alter-

nate years, so that a student may obtain credit for four years' work in French. In 1909-'10 courses 7, 8, 9 will be given.

To students credited with 26 or more majors, courses 1, 2, 3 will have the value of only one minor each.

In Spanish a course extending over two years is offered. The chief object of the first three courses is to enable the student to obtain a fair reading knowledge of modern Spanish and also to give him the ability to use Spanish in social and business relations. Spanish stories and easy novels will be read during the first year, which, in connection with a thorough drill in grammar, will furnish excellent drill and opportunity for practice in conversation. In the three additional courses, works of Spanish literature, especially the modern Spanish novel and drama, and also the classics, as Cervantes, Calderon and Lope de Vega, will be studied.

The work of these two years will be given alternately. Courses 1, 2, 3 will be given in 1909-'10 and courses 4, 5, 6 in 1910-'11.

Courses in French.

- 1, 2, 3. ELEMENTARY FRENCH: Fraser and Squair's Grammar. Easy texts, such as "Le Voyage de M. Perrichon" and "L'Abbe Constantin." Constant practice in composition.
Fall, Winter, Spring, 9:00.
4. MODERN FRENCH SHORT STORIES: Reading from characteristic short-story writers. Composition continued. *Fall, 8:00.*
5. THE FRENCH NOVEL: Illustrative novels, with composition based on texts read. *Winter, 8:00.*
6. MODERN FRENCH DRAMA: Victor Hugo, "Ruy Blas;" Scribe, "Bataille des Dames;" Augier, "Le Gendre de M. Poirier;" Rostand, "Les Romanesques." *Spring, 8:00.*
7. THE CLASSICAL DRAMA OF THE SEVENTEENTH CENTURY: Representative works of Moliere, Corneille and Racine.
Fall, 10:30.

8. THE FRENCH NOVEL: The reading done in this course is more rapid than in course 5. Besides the work done in class, one or two novels will be read outside, and reports made upon this assigned reading. *Winter, 10:30.*
9. Novel work continued, and a study of Modern French Lyric Poetry. *Spring, 10:30.*
- [10. LITERATURE OF EIGHTEENTH CENTURY: Le Sage, "Gil Blas;" selections from Voltaire; Saint-Pierre, "Paul et Virginie;" La Fontaine, Fables.]
- [11, 12. LITERATURE OF NINETEENTH CENTURY: Reading of representative authors. Pellissier's "Le Mouvement Litteraire au XIXme Siecle" used as guide.]
13. The modern short story in French, German and English. The work of representative short-story writers in the three languages will be studied, and there will be discussion of the general methods of short-story writing. *Spring, 11:30.*

This course may be counted toward a major in French, German or English. It is open to students who have taken one year of French and two years of German, or to any others who can satisfy the instructor of their ability to read French and German easily. Permission to take the course must be obtained before registering for it.

Courses in Spanish.

FIRST YEAR SPANISH.

1. ELEMENTARY SPANISH: Course in grammar, composition and reading, with drill in pronunciation and conversation. Texts used: A Spanish Grammar, by Hills and Ford; Introduccion a la Lengua Castellana, by Marion y des Garennes. *Fall, 10.30*
2. INTERMEDIATE SPANISH: Course in grammar and composition continued; reading of easy prose. Texts: Hills and

Ford's Grammar; Bransby's Spanish Reader; Fontaine's "Doce Cuentos," or Asensi's "Victoria y otros Cuentos."

Winter, 10:30.

3. SPANISH STORIES AND NOVELS: Alarcon. (a) Novelas Cortas, (b) El Capitan Veneno, (c) El Sombrero de Tres Picos.

Spring, 10:30.

- [4, 5, 6. SECOND YEAR SPANISH—MODERN NOVEL, DRAMA, POEMS AND CLASSICAL AUTHORS; HISTORY OF SPANISH LITERATURE: The best works will be selected from the following authors: Bazan, Bequer, Caballero, Calderon, Cervantes, Echegaray, Galdos, Gil y Zarate, Padre Isla, Larra, Lope de Vega, Moratin, Nunez de Arce, Taboada, Tirso de Molina, Trueba. Valdes, Valera.

Butler Clark: Spanish Literature.]

ENGLISH.

PROFESSOR KENYON.

MISS GRAYDON.

MISS ALLEN.

General Statement. The Department of English contemplates a three-fold object:

1. Practice in English composition.
2. A knowledge of our own language.
3. Independent ability to read and appreciate English Literature.

Courses.

- A. SPECIAL COURSE: A course, continuous throughout the year, intended to meet the needs of students who are conditioned in entrance English and of those whose work in college courses indicates insufficient preparatory training. College credit for this course is at the discretion of the department.

Fall, Winter, Spring, 11:30.

- 1, 2, 3. FRESHMAN ENGLISH: English Literature and Composition; a general survey of English literature, together with daily and fortnightly themes. Three majors.

Fall, Winter, Spring, 10:30.
Second division, if necessary.

[18. SHAKESPEARE. Compare course 17, which is given in 1909-'10.]

17. SHAKESPEARE: A careful reading of selected plays, with attention to anything that bears on their interpretation. This course alternates with 18, and both may be taken, as different plays are read in each course. Prerequisite, English 1, 2, 3.

PROFESSOR KENYON.

Fall, 9:00.

13. MASTERPIECES OF ENGLISH PROSE: This course will consist of a study of several of the best pieces of prose from Malory to the present time. Attention will be given both to style and subject matter. Prerequisite, four majors in English.

PROFESSOR KENYON.

Winter, 9:00.

14. THE ENGLISH NOVEL: This course is a study of representative Nineteenth Century novels. Prerequisite, four majors in English.

PROFESSOR KENYON.

Spring, 9:00.

- 10, 11, 12. THE TYPES OF ENGLISH LITERATURE and the History of the English Language: Some of the aims of this course are, to provide for the discipline and culture long recognized in the study of other languages than our own; to cultivate a sense of idiom and of the logical relations and powers of English indispensable to any first-hand application of the great writers; to acquire historical perspective in the study of English literature; and to gain some intimate acquaintance with the great early masterpieces. The readings are selected to illustrate lectures throughout the year on the development and characteristics of the various types of modern literature. The first term is given to a study of Old and Middle English

grammar and reading of prose and poetry, with study of metres and style; the second and third terms to a study of Chaucer and other Middle English masterpieces. Students preparing to teach English, especially those who do their major work in English, are expected to take this course. Prerequisite, English 1, 2, 3.

PROFESSOR KENYON.

Fall, Winter, Spring, 11:30.

- [19. SPENSER AND MILTON: A study in Romance and Epic. Lectures on certain characteristics of Romance and Pastoral, leading up to Spenser, and on Epic, leading up to Milton. Prerequisite, four majors in English.]

PROFESSOR KENYON.

- 7, 8, 9. THE ENGLISH DRAMA: This course is continuous throughout the year. The English Drama is studied as an expression of social conditions and a distinct art, without neglect of its characteristics as a form of literature. Lectures and interpretation are given by the instructor, while an intensive study of typical plays is made by the student. Prerequisite, five majors of English.

MISS GRAYDON.

Fall, Winter, Spring, 9:00.

20. THE DEVELOPMENT OF THE ESSAY: Lectures, historical and critical, are given, while reading and analysis of representative essays are made. Prerequisite, four majors of English.

MISS GRAYDON.

Fall, 10:30.

21. TENNYSON.

MISS GRAYDON.

Winter, 10:30.

22. BROWNING.

MISS GRAYDON.

Spring, 10:30.

Courses 21 and 22 regard the personality of each poet and the development of his art. Historical and literary criticism is made of selected poems. Prerequisite, five majors of English.

PHILOSOPHY AND EDUCATION.

PROFESSOR ROGERS.

General Statement. The main purpose of the work in Philosophy is to put the student in possession of a way of looking at things which will help him to interpret both his own experience, and the larger problems which enter into the intellectual life of the time. To this end emphasis is put throughout upon the psychological standpoint.

The courses in Education will be transferred to the Department of Education when that department is organized.

Courses in Philosophy.

- 1a, 1b. **PSYCHOLOGY—ELEMENTARY COURSE:** It is the purpose of this course to acquaint the student with the scope and method of the science, the nature and activities of the mind, and the laws and processes of mental development. Prerequisite, seven college majors. *Fall, Winter, 10:30.*
- 2-3. **LOGIC AND ETHICS:** The two courses are separate in subject matter, and will be given on alternate days. Prerequisite, Philosophy 1. *Spring, 10:30.*
- [4. **PHILOSOPHY OF RELIGION:** A discussion of the fundamental problems of philosophy from the standpoint of the religious conception of the world. *Fall.]*
- 7, 8. **HISTORY OF PHILOSOPHY:** A study of the development of thought from the Greeks to Spencer, in its relation to the history and civilization of the times. Prerequisite, eighteen college majors. *Fall, Winter, 8:00.*
9. **ENGLISH THOUGHT IN THE NINETEENTH CENTURY:** The more important social, literary and philosophical tendencies will be examined in a somewhat untechnical way. Lectures and reports. *Spring, 8:00.*

- [10. PLATO: Reading and discussion of the more important Platonic dialogues.]

Courses in Education.

1. HISTORY OF EDUCATION: The development of educational problems and methods in their relation to social and political life. Prerequisite for all courses in education, seven college majors. *Fall, 3:00.*
2. EDUCATIONAL PSYCHOLOGY: A psychological account of the main aspects of the development of the child, with special reference to the educational process. *Spring, 3:00.*
3. THE ENDS AND METHODS OF EDUCATION: A study of education in the light of the purpose it is intended to serve. *Winter, 3:00.*

ECONOMICS AND POLITICAL SCIENCE.

PROFESSOR PUTNAM.

General Statement. The introductory courses in this department are given every year. The advanced courses alternate and are intended to meet the needs of two classes of students. First, those preparing for commercial or financial careers or for the public service, and, secondly, those looking forward to graduate work in Economics, Political Science, or allied subjects. The courses in Political Science are also of especial significance as a preparation for the study of Law or Journalism.

Courses in Economics.

- [1. ECONOMIC HISTORY: An introduction to the study of the development of commerce and industry, with a somewhat detailed consideration of the causes of the Industrial Revolution and the nature of the industry of the present time. Prerequisite, credit for nine college majors. Must be followed by course 15.]

2. **ECONOMICS:** A thorough introduction is given to the subject. A text-book will be used, but the student will be expected to compare the views of various authorities on the more important topics. Prerequisite, credit for nine college majors. *Fall, 9:00.*
- [11. **CORPORATIONS AND CORPORATION FINANCE:** A study of the growth of large industries and the place and nature of public service and industrial corporations and trusts in modern industrial society. Especial attention will be given to methods of financing such enterprises, to the character of their securities, and to their industrial effects.]
12. **MONEY AND BANKING:** The main interest in this course will be the nature and functions of currency (coin, note and deposit). The various experiments of the United States will be studied in the light of the leading theories of money. The main features of the banking system, the influence of banks on speculation, their management in financial crises, dangers and safeguards will be discussed. Prerequisite, course 2. *Winter, 9:00.*
13. **PUBLIC FINANCE:** Taxation will be the principal subject of this course. Leading theories of taxation, the methods employed in various countries, and the national, State and local systems of the United States will be examined. A less minute study will be made of the subjects of public debts and financial administration. Prerequisite, course 2. *Spring, 9:00.*
- [14. **RAILWAY TRANSPORTATION:** A brief study of the evolution of the railway, followed by a more detailed examination of problems of railway consolidation, finance and rate-making. Prerequisite, course 2.]
- [15. **COMMERCE:** A brief survey of the geography of commerce, followed by a study of the economic significance of commerce; the mechanism of commerce, such as railways, banks,

etc.; the character of international trade; tariff and colonial policies. Prerequisite, course 1. Must be followed by course 14.]

16. **PROBLEMS OF LABOR:** A study of the special problems and interests of wage earners, such as the organization and policies of trades-unions, employers' associations, arbitration, profit-sharing, factory acts and other forms of labor legislation. Prerequisites, Economics 2 and Sociology 8.

Spring, 11:30.

- [17, 18. **ADVANCED ECONOMICS:** A detailed study of economic theory. Value and Distribution will be the subjects taken up. The course is open only to those who have satisfactorily passed course 2. The course will continue through two terms and only those completing both terms' work will receive credit.]

Courses in Political Science.

1. **AMERICAN POLITICS:** A study of the national, State and local political institutions of the United States. Prerequisite, seven college majors. *Fall, 10:30.*
2. **PROBLEMS OF MUNICIPAL GOVERNMENT:** A comparative study of the charters and practical workings of the municipalities of Indianapolis, St. Louis, Chicago, New York, Glasgow, Birmingham, Manchester, London, Paris, Hamburg, Berlin. Particular attention will be paid problems in organization and administration and to methods of control of public works. Prerequisite, course 1. *Winter, 10:30.*
- [3. **CONSTITUTIONAL LAW:** A study of the leading principles of American constitutional law, based upon an examination of important cases. Prerequisite, course 1.]
- [4. **INTERNATIONAL LAW:** A study of the leading principles of international law and an examination of important cases illustrative of those principles. A number of recent cases

in which the United States has been interested will receive particular attention. Prerequisite, courses 1 and 2.]

- [7. **GOVERNMENT OF DEPENDENCIES:** An examination of important systems of colonial and territorial government, such as those found in American territories, the British self-governing colonies, and various colonies inhabited by inferior races. Prerequisite, course 1.]
8. **EUROPEAN GOVERNMENTS:** A comparative study of the constitutional organization and practical working of the principal governments of Europe. Prerequisite, course 1.

Spring, 10:30.

SOCIOLOGY.

PROFESSOR FORREST.

PROFESSOR PUTNAM (in charge).

General Statement. This department offers such introductory courses as are essential to a liberal education, and in addition to these, various more advanced courses which will furnish the student a broad foundation for professional studies or prepare him for graduate work in the social sciences.

The city of Indianapolis is the social laboratory of the department. While it does not present the complexity of phenomena to be found in some of the larger cities, it is large enough to furnish almost every factor of the most complicated social life; and, indeed, the simpler nature of the society, which yet contains all the elements of cosmopolitan municipal life, makes the city a more desirable field for certain kinds of social investigation than it would be if it were larger.

Courses.

3. **CHARITIES:** A study of the causes of poverty and methods of amelioration, especially those of a voluntary character. The department enjoys the hearty cooperation of the excellent Charity Organization Society of Indianapolis, and is

thereby enabled to make a thorough study of the charities of the city. Students will make personal investigation of actual conditions found in the city. *Winter, 11:30.*

- [5. **ANTHROPOLOGY:** A study embracing both Anthropology, in the narrow sense, and Culture-History, intended to give a general understanding of the beginnings and earlier stages of social evolution. Such an examination of the method of social development serves as a basis for advanced historical, sociological and ethical investigation, and for the study of comparative religion. Prerequisite, credit for fifteen college majors.]
- [6. **SOCIAL HISTORY:** A study of the development of the main elements of modern civilization. The emphasis is laid on the inter-relation of the industrial and ethical lines of development. An investigation is made of the beginnings of civilization in antiquity, the transition from the Græco-Roman Empire to the medieval period, and the leading movements of the modern period. This course employs in the study of civilized peoples the same method that is used in the preceding course in the study of peoples of lower culture. Prerequisite, course 5.]
- [7. **CRIME AND CORRECTION:** A study of the social and individual causes of crime and of the various methods proposed for the protection of society and the reformation of the criminal. Students will visit the criminal courts and the penal and reformatory institutions of the vicinity.]
8. **GENERAL SOCIOLOGY:** This course attempts to reach a general view of social phenomena. It is based on the results of some of the recent writers on Social Psychology. Prerequisite, credit for fifteen college majors. *Fall, 11:30.*
- [9. **DEVELOPMENT OF SOCIAL PHILOSOPHY:** An examination of the principal attempts to interpret social phenomena, from Plato to Comte. Lectures, readings, reports.]

(a) A study of the social theories of the Greeks and Romans.

(b) A study, continuous with the preceding, of the social theories of the Medieval and Renaissance periods. Prerequisite, course 8.]

[10. CONTEMPORARY SOCIAL PHILOSOPHY: An examination of the principal sociological contributions since Auguste Comte, with especial emphasis upon the work of living writers. This course is intended to be an introduction to general sociology, since it takes up most of the important attempts to interpret society. Prerequisite, course 9.]

[20. SOCIAL FORCES IN ENGLISH ROMANTICISM: This course deals with the English Romantic movement from a social and literary point of view. The former phase of work is considered in lectures on the different social and political forces in the literature at that time; the latter side of the work consists chiefly of a study, more or less minute, of the prominent authors of the Romantic movement.]

HISTORY.

PROFESSOR COLEMAN.

General Statement. The plan of the courses in History provides for two outline courses in the history of European civilization, to be followed, if the student so elects, by a more detailed and thorough study of selected epochs and important movements. The two outline courses, 1 and 2, are fundamental and must precede all others both in General and in Church History except the course in Missions. With the exception of this last course, no courses in History are open to students who have done less than nine majors of college work. All courses except 1 and 2 vary from year to year so as to allow continuous work in the department without repetition.

Courses in History.

1. MEDIEVAL EUROPE: An outline course upon the history and institutions of Europe during the Middle Ages. Instruction is given by lectures, text-book and collateral reading. Prerequisite, nine majors of college work. *Fall, 11:30.*
2. MODERN EUROPE: An outline course upon the development and spread of European civilization from about 1450 to 1815, continuing course 1. Prerequisite, course 1. *Winter, 11:30.*
3. CONTEMPORARY EUROPE: A study of the internal condition and international relations of the leading European countries during the last century. Prerequisite, courses 1 and 2. *Spring, 11:30.*
- [6. GERMANY DURING THE REFORMATION: A study of the political, religious and social movements in Germany from Luther's theses (1517) and the election of Charles V (1519) to the peace of Augsburg (1555.) Prerequisites, courses 1 and 2.]
- [8. THE FRENCH REVOLUTION: A study of the causes and nature of the French Revolution, together with the changes of government resulting from it, 1789-1815. Prerequisites, courses 1 and 2.]
- [10. ENGLAND FROM THE TIME OF THE TUDORS: The development and expansion of modern England, 1485-1900. Prerequisite, course 1.]
13. AMERICAN COLONIAL HISTORY: The discovery and exploration of America, and the history of the English colonies to the close of the French and Indian War. *Fall, 10:30.*
14. THE FORMATION OF THE AMERICAN NATION: The causes, progress and results of the Revolution, the formation, adoption and working out of the Constitution, the rise of the western Democracy, 1760-1829. *Winter, 10:30.*

30. **LATIN AMERICA:** A survey of the countries, the people and the outlines of the history of the parts of the American continents colonized and occupied by the Latin races of Europe, —Mexico, Central and South America. The scope of the subject and the chaotic conditions of political life in many of these countries limit the study to the most important topics and to those in which the United States is more or less directly interested. *Spring, 10:30.*

(For courses in Church History, see p. 75.)

BIBLICAL LITERATURE IN ENGLISH.

PROFESSOR HALL.

PROFESSOR —————

General Statement. These courses are intended to give the college student an introduction to the study of the English Bible. Candidates for the A. B. degree may elect three majors in this department, and they are urged to do so as early as possible in the college course. Special ministerial students should consider these courses fundamental to all others which they may desire to pursue. Work in this department is not credited toward a graduate degree.

Courses in Old Testament Literature.

1. **THE HEXATEUCH:** A non-technical study of the first six books of the Bible. *Fall, 8:00.*
2. **THE HISTORICAL BOOKS:** A study of the history of Israel, based directly on the reading and comparison of the historical books. *Winter, 8:00.*
3. **THE PROPHETICAL BOOKS:** The origin, growth, and character of Hebrew prophecy. *Spring, 8:00.*

New Testament Literature.

1. **THE PAULINE LETTERS.** *Fall, 8:00.*

2. THE SYNOPTICAL GOSPELS. *Winter, 8:00.*

3. THE JOHANNINE GOSPEL AND LETTERS. *Spring, 8:00.*

NOTE.—Either the courses in the Old Testament or those in the New will be offered, but both series will not be offered in the same year.

BIOLOGY.

PROFESSOR BRUNER.

General Statement. This department aims (1) to meet the demands of a liberal education, and (2) to prepare students for teaching, investigation and medicine. The elementary courses in zoology and botany are designed partly to meet the first demand and partly to furnish a basis for more advanced work.

The method of instruction recognizes the value both of the ideas of science and of discipline; it emphasizes general principles, and at the same time encourages the acquisition of the methods and habits of scientific investigation. Lectures and recitations go hand in hand with practical work, in which each student is required to make a faithful record of his observations.

To meet the requirements for graduation either botany (courses 1, 2, 3), or zoology (courses 1, 2, 3), may be elected. In all cases three continuous courses must be taken to receive credit, but students from other colleges may offer an equivalent for one or more of these courses.

A laboratory fee of three dollars per term is charged in all cases, excepting courses 7 and 13, for which the charges are indicated below.

Courses in Zoology.

1. ELEMENTARY ZOOLOGY: (a) General introduction. The most important characteristics of living matter; structure and properties of the cell; origin of tissues and organs.

(b) An outline of the structure, functions and classification of Protozoa, sponges, Coelenterata, worms.

Fall, 10:30-12:30.

2. ELEMENTARY ZOOLOGY (continued): Polyzoa, Arthropoda, Mollusca, Echinodermata. *Winter, 10:30-12:30.*
3. ELEMENTARY ZOOLOGY (continued): (a) The vertebrate type and its chief modifications; laboratory work on Amphioxus, dogfish, frog, lizard, pigeon, mammal.
Outline of the theory of evolution. *Spring, 10:30-12:30.*
- 4, 5. HISTOLOGY AND MICROSCOPICAL METHODS: (a) A study of the methods and processes employed in microscopical investigation, with practical work in the preparation of various kinds of material. Special attention is given to fixation, staining, section cutting, mounting, methods of reconstruction, etc.
(b) A study of the minute anatomy of a typical mammal. Prerequisite, courses 1, 2, 3, or an equivalent.
Fall, Winter. Hours to be arranged.
6. EMBRYOLOGY OF VERTEBRATES: Lectures on segmentation, the formation of the germ layers and the development of organs; practical study of the chick, frog and pig. Must be preceded by course 5.
Spring. Hours to be arranged.
7. COMPARATIVE ANATOMY OF VERTEBRATES:
(1) A review of the classification and development of vertebrates.
(2) A study of physiological mechanisms—skeleton, muscular system, nervous system, sense organs, respiratory systems, urinogenital system, etc.
Open to students who have taken courses 1, 2, 3.
Laboratory fee, four dollars.
Weidersheim and Parker's Comparative Anatomy of Vertebrates. Hours to be arranged.
8. MAMMALIAN ANATOMY: This course is intended for students who desire an acquaintance with the structure of the mammalian body as a preparation for work in physiology, anat-

omy and medicine. Prerequisite, course 7. Reighard and Jennings' Anatomy of the Cat. Hours to be arranged.

9. **ANATOMY AND PHYSIOLOGY OF THE NERVOUS SYSTEM AND SENSE ORGANS:** An elementary course on the structure and functions of the nervous system and sense organs of man and mammals. Prerequisite, course 8. Hours to be arranged.
- 10, 11, 12. **SPECIAL WORK:** Students who have had sufficient preliminary training will be assigned special problems in histology, embryology or vertebrate anatomy. Daily through the year.
- [13. **PHYSIOLOGY:** A course in human physiology, including recitations, demonstrations and practical exercises in the laboratory. A fee of one dollar and fifty cents is charged.]

Courses in Botany.

- 1, 2. **ELEMENTARY BOTANY:** These courses deal with the larger groups of plants—algæ, fungi, liverworts, mosses, ferns, seed-plants—whose general characteristics are illustrated by the study of typical forms. In connection with the above, particular attention is given to cell structure, the differentiation of cells and tissues, the origin of sex, alternation of generations and the significance of the seed.

Fall, Winter, 2:00-4:00.

3. **ELEMENTARY BOTANY—ECOLOGY:** A study of the adaptations of plants to their physical environment and to other organisms, including the modification of plant structures under changing conditions, and the origin and development of plant societies. An elementary course for teachers and general students. Instruction is given by means of lectures, lantern views, laboratory exercises and field work.

Spring, 2:00-4:00.

CHEMISTRY.

PROFESSOR MOORE.

General Statement. The courses offered in this department are primarily designed to meet the wants (1) of those desiring a general knowledge of the subject, and (2) of those feeling the need of more advanced work in order to prepare themselves for research work, teaching, medicine, chemical engineering or other professions.

The instruction is given by means of lectures, recitations and laboratory work. The lectures are fully illustrated by numerous classroom experiments, and are supplemented by recitations, written exercises, written examinations, problems and laboratory work.

The equipment of the department is good. The lecture-room is fully supplied with apparatus and all of the modern facilities for the experimental illustration of the different lecture courses. The laboratories are well furnished, being conveniently arranged and supplied with tables, reagents, gas, water, hoods and all the necessary facilities to enable the student to carry on the lines of work laid out in the several courses. To each student is assigned his own desk with separate outfit of apparatus and chemicals.

Courses.

- 1, 2, 3. **GENERAL INORGANIC CHEMISTRY:** Elementary. The non-metals and metals. Lectures, recitations and laboratory work. The lectures, which are fully illustrated by experiments, are devoted to a discussion of the facts and theories of chemistry, to the use of symbols, formulæ and equations and the solving of chemical problems, together with the history, occurrence, preparation and properties of the elements and their principal compounds. In the laboratory special attention is given to training the student in inductive reasoning as applied to chemical work. It is recognized that while the accumulation of chemical facts is of importance, careful observation and the correct interpretation of the

phenomena observed are of much greater importance.

Fall, Winter, Spring—Lectures, Tues., Sat., 2:00. Laboratory, Wed., Thurs., Fri., 2:00-4:00.

- 4, 5. **QUALITATIVE ANALYSIS:** Lectures, recitations and laboratory work. A systematic course in qualitative analysis, including a comparison of the different methods of separation and identification of inorganic substances, both in solution and in the dry condition. The ionic theory and the law of mass action, as applied to the work in this course, are fully discussed. Prerequisites, courses 1, 2, 3, or their equivalent.

Fall, Winter, 10:30-12:30.

6. **INORGANIC PREPARATIONS:** Lectures, recitations and laboratory work. The preparation of some of the more important inorganic compounds, including a study of those conditions under which the largest quantitative yield may be obtained. Prerequisites, courses 1, 2, 3, or their equivalent.

Spring, 10:30-12:30.

- 7, 8, 9. **QUANTITATIVE ANALYSIS:** Lectures, recitations and laboratory work. An introduction to quantitative methods and the chemistry upon which those methods are based. Analysis of salts, alloys, commercial products, etc., by gravimetric, volumetric and electrolytic methods. Prerequisites, courses 3, 4, 5, or their equivalent. Hours to be arranged.

- 10, 11, 12. **GENERAL ORGANIC CHEMISTRY:** Lectures, recitations and laboratory work. The principles of organic chemistry, together with the preparation and the study of the properties of a series of typical compounds of carbon. This course is especially recommended to those desiring a good general knowledge of elementary organic chemistry. Prerequisites, courses 1, 2, 3.

13. **GAS ANALYSIS:** The measurement of gases and vapors, and the quantitative analysis of gaseous mixtures. Prerequisites, courses 8, 9.

Spring. Hours to be arranged.

14. **ADVANCED QUANTITATIVE ANALYSIS:** A continuation of course 9, in which special attention is paid to electrolytic methods of analysis. *Fall.* Hours to be arranged.
15. **RADIO-ACTIVITY:** Lectures, experimental work and recitations on the radio-active types of matter and atomic disintegration. *Winter.* Hours to be arranged.
- 16, 17, 18. **SPECIAL WORK:** Students who have had courses 1 to 12, inclusive, or their equivalent, will be assigned special work in inorganic chemistry or analytical work. Daily through the year.

The laboratory fee for courses 1, 2 and 3 is \$3; for all other courses it is \$4. These fees are for each term, payable in advance. The more expensive chemicals, breakage and other damage to apparatus will be charged extra.

• PHYSICS.

PROFESSOR MOORE (in charge).

General Statement. The courses offered in this department aim to present the subject of General Physics in a more thorough, careful and extended manner than is the case in an elementary presentation of the subject. The instruction is given by means of text-books and lectures, which are fully illustrated by numerous classroom experiments, and are supplemented by laboratory work, recitations, written examinations and the solution of problems. Taken together, the courses offered are equivalent to one year's work, and so arranged as to enable a student to take them all if he so desires. They are open only to those who have had Elementary Physics (see Entrance Requirements), and course 1 in Mathematics. A laboratory fee of \$3 per term is charged.

Courses.

- [1. **GENERAL PHYSICS**—Mechanics and Heat.

Mechanics—Laws of Motion; Falling Bodies; Projectiles;

Statics; Energy; Moment of Inertia; Hydrostatics; Capillarity; Hydraulics, etc.

Heat—Nature; Sources; Distribution; Effects; Calorimetry; Thermo-dynamics, etc.]

[2. GENERAL PHYSICS—Sound and Light.

Sound—Nature; Sources; Reflection; Intensity; Interference; Pitch; Quality; Harmony, etc.

Light—Nature; Sources; Reflection; Refraction; Polarization; Interference; Dispersion; Color, etc.]

[3. GENERAL PHYSICS—Magnetism and Electricity.

Magnetism—Magnets; Polarity; Induction; Lines of Force, etc.

Electricity—Frictional; Voltaic; Effects of Electric Currents; Electrical Qualities; Electro-dynamics, etc.]

GEOLOGY AND PHYSICAL GEOGRAPHY.

PROFESSOR BRUNER (in charge).

General Statement. The instruction offered in this department is intended as an introduction to the entire field of geological science. The subject-matter of the course is believed to include that which is most interesting to the student, and at the same time most valuable to the average citizen. The collections in the museum are of great value for illustration of the work outlined below.

Courses.

[1. ELEMENTARY GEOLOGY: (a) The dynamical agencies and their work, as illustrated in denudation, earthquakes, volcanoes, coral reefs and islands, glaciers, etc.

(b) The structure of the earth's crust; stratified, igneous and metamorphic rocks; origin of mountains; faults, dykes, mineral veins.

(c) Historical Geology. The development of the North American continent; the evolution of the life of the globe. Scott's Introduction to Geology.]

- [2. **PHYSIOGRAPHY:** A study of the origin and development of land forms and of the influence of the physiographic factor on the distribution and activities of mankind. One hour daily, with excursions.]

MATHEMATICS AND ASTRONOMY.

PROFESSOR JOHNSON.

General Statement. The work in mathematics is arranged with a view to the interests (1) of those who desire to pursue mathematics as a means of general culture, and because of the valuable mental discipline which it affords, (2) of those who wish to use mathematics as an instrument in the study of the physical sciences, and (3) of those who intend to become teachers and investigators in mathematics.

The courses in mathematics outlined below may be roughly divided into elementary and advanced. By elementary courses are meant the courses in geometry, trigonometry, higher algebra, analytic geometry, differential and integral calculus. These courses are necessary in preparation for all the other courses given in mathematics.

While the more advanced courses are not all given each year, they vary from year to year in such a way that a student may receive continuous instruction in mathematics for five or six years.

The courses in astronomy are designed (1) for the general student, (2) as a basis for advanced work in theoretical and practical astronomy. The courses in mechanics show the application of calculus to physics and prepare the student for advanced theoretical physics and celestial mechanics.

Students who do not offer solid geometry for entrance to college may receive college credit for course A. It is, however, recommended that solid geometry be included among the elective units offered for entrance.

Courses in Mathematics.

- A. SOLID GEOMETRY: The usual theorems and constructions, including the relations of planes and lines in space; the properties of prisms, pyramids, cylinders, cones and spheres; numerous original exercises. *Spring.*
1. PLANE TRIGONOMETRY: After developing the fundamental principles, many exercises are given to furnish drill in the application of the formulas to the solution of problems. *Fall, 8:00.*
2. ADVANCED ALGEBRA: Besides a brief review of the quadratic equation, this course includes permutations, combinations, logarithms, theory of equations, application of the principle of mathematical induction, determinants, Horner's method of solving numerical equations, elements of the theory of complex numbers and the algebraic solution of the general cubic and biquadratic equations. *Winter, 8:00.*
3. ANALYTICAL GEOMETRY: The application of algebra to geometry. The conic sections and their equations receive most attention. A little time is given to solid geometry. Prerequisite, course 1. *Spring, 8:00.*
4. DIFFERENTIAL CALCULUS: Since this is a decidedly new field to the student, the transition is made cautiously. This is largely a drill course, but aims at vigor in the treatment in so far as seems desirable in beginning this subject. Prerequisite, courses 1, 2, 3. *Fall, 11:30.*
5. DIFFERENTIAL AND INTEGRAL CALCULUS: Continuation of course 4, about eight weeks being devoted to the differential and four weeks to the integral calculus. *Winter, 11:30*
6. INTEGRAL CALCULUS: Continuation of course 5. Considerable attention is given to applications of calculus to geometry and mechanics. *Spring, 11:30.*

- [7. DIFFERENTIAL EQUATIONS: This course deals with the methods of solution of the simpler ordinary and partial differential equations, many of which occur in works on advanced physics. Prerequisite, course 6.]
8. THEORY OF EQUATIONS: A course devoted to the general properties of equations, determinants, transformation of equations, symmetric functions and the complex variable. Prerequisite, course 6. *Fall, 10:30.*
9. THEORY OF EQUATIONS: Continuation of course 8. *Winter, 10:30.*
10. SOLID ANALYTICAL GEOMETRY: In this course calculus is applied to the study of surfaces. Prerequisite, course 6. *Spring, 10:30.*
- [11. ADVANCED DIFFERENTIAL CALCULUS: Based on Byerly's Differential Calculus. Prerequisite, course 6. *Fall.*]
- [12. ADVANCED INTEGRAL CALCULUS: Byerly's Integral Calculus, supplemented by lectures. The topics studied are imaginaries, definite integrals, multiple integrals, elliptic integrals, and elements of functions of a complex variable. Prerequisite, course 10. *Winter.*]
- [13. THEORY OF FUNCTIONS: This course deals with conformal representation, infinite series, singular points of analytic functions, and particularly with algebraic functions. Prerequisite, course 11. *Winter.*]
- [14. PROJECTIVE GEOMETRY: The geometry of the projective group in the plane and in space is studied by both the analytic and synthetic methods; applications to non-Euclidian geometry. Prerequisite, course 11. *Spring.*]

Courses in Astronomy and Mechanics.

1. GENERAL ASTRONOMY: This course is designed for those who desire to pursue the work as part of a liberal education.

Requires no mathematical preparation. The telescope will be used in connection with the study of the solar and stellar systems. *Fall, 9:00.*

- [2. GENERAL ASTRONOMY: Continuation of course 1.

Winter.]

- [3. ELEMENTARY MECHANICS: Kinematics, statics and kinetics will be studied in their elementary forms without the knowledge of calculus. Prerequisite, Mathematics 1. *Spring.]*

- [4. ANALYTIC MECHANICS: Statics and dynamics. The application of calculus to determine the state of a system of particles of rigid bodies. Prerequisite, Mathematics 6.

Winter.]

- [5. ANALYTIC MECHANICS: Continuation of course 4. Problem work is an important feature of this course. *Spring.]*

- [6. INTRODUCTION TO CELESTIAL MECHANICS: The problem of two and three bodies will be considered. Also the method of determining the elements of an orbit. Prerequisite, Mechanics 4, 5. *Fall.]*

ORATORY AND DEBATING.

MR. SIMS.

- 1, 2, 3. ELOCUTION: Exercises in vocal culture, breathing, position and technique of gesture; pronunciation and emphasis; elements of quality and force, with their application; elements of pitch and time, with illustrations; delivery of short extracts from masterpieces of oratory. Text-book, Fulton and Trueblood's Practical Elocution.

Fall, Winter, Spring, Tuesday, Friday, 3:00.

- 4, 5. 6. STUDY OF GREAT ORATORS: This course will deal specially with the structure and composition of the oration. Lectures on methods of public address and sources of power will be given. Study of representative orations; structure of the oration; preparation and delivery of speeches. A

specially prepared program for each class session will be prepared and posted in advance, so that students may have ample time in which to prepare the special assignments made to them. The program for each day will include: A twelve to fifteen minute oration previously prepared by a designated member of the class and committed to memory and delivered; a written biographical sketch of the orator under discussion; a critical study, in writing, of the orator's style and characteristics of oratory; a brief of one of the orator's masterpieces and discussion; a selection from one of his orations committed to memory and delivered in class; and a brief review and estimate of some book or article dealing with the art of public address. No text-book.

Fall, Winter, Spring, Tuesday, Friday, 2:00.

- 7, 8, 9. DEBATING: Study and application of the principles of argumentation; preparation of briefs; leading questions of the day debated in class. The questions for debate will be selected and posted in advance, and the class subdivided into teams, affirmative and negative, pitted against each other, each debate being conducted in the same manner as an intercollegiate debate, both initial speeches, carefully prepared and committed to memory, and extempore rebuttal speeches, being given by each member of the teams engaged in the debate. This course is designed to develop skill in argumentation and readiness in extempore speaking. It is recommended especially to ministerial students and those desiring to enter the intercollegiate debates. Text-book, Alden's Art of Debate.

Fall, Winter, Spring, Wednesday, 2:00-4:00.

NOTE.—Courses 1, 2, 3 are prerequisites for courses 4, 5, 6, or 7, 8, 9, respectively. Term credits: 4 hours, minor; 6 hours, major.

PHYSICAL CULTURE.

———, Director.

General Statement The department of Physical Culture is designed to promote the best health of the individual, to enable him to coordinate muscular movements more quickly and gracefully, to provide for greater physical symmetry, and to inculcate a knowledge of the functions of his own body. To facilitate these ends a modern college gymnasium has been provided, and well equipped with necessary apparatus and furnished with dressing room, lockers and shower baths. The gymnasium building is under the complete supervision of a competent director, or his assistant. Six terms' work are required for graduation, three of which must be taken in either the Freshman or Sophomore year.

Gymnastic costumes will be required of all students taking work in the Department of Physical Culture. Such a costume can be obtained at a small cost.

SCHOOL OF MINISTERIAL EDUCATION

It is the purpose of the College to establish a Graduate Divinity School, but it is not possible to present a full program of ministerial instruction at this time. A certain portion of the endowment of the institution is set apart for the education of ministers, and as the funds increase additional instructors will be appointed and additional facilities offered.

Meanwhile, all courses which are of special importance in ministerial education are grouped in this School. The degree of B. D. will not be granted until further notice; but graduates of Butler College, or of other colleges maintaining the same requirements for the A. B. degree, will be granted the degree of A. M. on the completion of nine major courses in this School, selected with the approval of the College Adviser and the Dean, and on compliance with the other requirements for this degree as stated on pages 35, 36, of the College catalog.

In addition to graduate students, the School offers its instruction to mature persons who desire special courses, but who are unable to pursue a regular college course. Such special students are admitted to such courses only as their previous preparation may enable them to pursue with profit. Special students must comply with the regulations of the College as stated on page 37 of the College catalog.

Undergraduates are not encouraged to begin their ministerial studies until they have completed their work in the regular academic departments of the College. However, certain courses offered by this School will be credited toward the A. B. degree. For the year 1909-'10 the following rules will be observed:

1. Undergraduates may elect three major courses in the department of Biblical Literature in English at any time in their course.
2. Undergraduates who are credited with eighteen college majors may elect six major courses in this School; but the

courses so elected must not be from among those which are expressly noted as not to be credited to college students.

3. With the consent of the Adviser, undergraduates may register for other courses in this School; but no college credit will be given in such cases, nor will these additional courses be credited toward a graduate degree.

4. Students who expect to become candidates for the B. D. degree may present for that degree the six majors elected in this School under rule 2, and also credits for courses in charities and corrections in the department of Sociology, and in philosophy of religion in the department of Philosophy; but no more than nine majors in all will thus be accredited toward the higher degree.

A record is kept of all courses completed in this School, whether accredited toward a degree or not; and, on request, a certificate will be given to the student showing the courses which he has completed.

Students in this School are subject to all regulations as to fees, conduct, etc., set forth in the College catalog.

For courses in Sociology and Philosophy, and also for courses preliminary to those offered in this School, see announcement of the academic departments of Butler College.

HOMILETICS AND THEOLOGY.

PROFESSOR HALL.

General In this department instruction will be given in
Statement. the preparation and delivery of sermons. Students will, in addition to courses in Homiletics in the most approved text-books, be required to prepare outlines of sermons. A general introduction to theology and systematic courses in Christian doctrine will also be given.

Instruction will also be given in the practical management of churches and pastoral care. The subjects of city evangelization and of home and foreign missions will be taught both in the classroom and by institutes and lectures.

Courses.

1. **GENERAL INTRODUCTION TO THEOLOGY:** The object of this course is to furnish an outline of the various departments of theology; to define their nature, mutual relations, aim and boundary lines; to show their respective functions and values, together with the best methods of their study, and the bibliography of the subjects. The student will thus acquire a general view of the subjects which will engage his attention as he passes through his theological preparation for the work of the ministry, and so be the better prepared from the first to estimate the importance and relation of these studies. Not credited toward the A. B. degree.

Fall, 2:00.

2. **CHRISTIAN THEOLOGY:** The object of this course will be to make the student acquainted with sources and methods of the study, and especially to emphasize the importance of the scriptural material bearing on the doctrine of God, of man, of Christ, of the Holy Spirit and of the Last Things. A suitable text-book will be used in connection with lectures, and constant references will be made to the bibliography of the subjects. Not credited toward the A. B. degree.

Winter, 2:00.

3. **HOMILETICS AND PASTORAL THEOLOGY:** The preparation and delivery of sermons will be taught with the aid of a text-book. Analysis and criticism of masterpieces, original plans and sermons will be required, which will be criticised by the instructor. The study of pastoral theology will be conducted with a text-book, supplemented by lectures on "Modern Methods in Church Work," "City Evangelization," "The Bible School," etc. The student will make investigations of the forms of organization and methods of work in the different denominations, both Roman Catholic and Protestant. Not credited toward the A. B. degree.

Spring, 2:00

CHURCH HISTORY.

PROFESSOR COLEMAN.

General Statement. One general outline course and a number of courses in which particular periods of Church History are considered, are offered. Students are recommended to take as much work in General History as possible before they take any of the work in Church History except course 11. With the exception of this last course, courses 1 and 2 in General History must precede any work in this department.

Courses.

1. **OUTLINE OF CHURCH HISTORY:** This course will constitute an introduction to the study of Church History. The aim will be to get an orderly, systematic and connected view of the entire field of Church History, its epochs and turning points, its leading movements, events and characters. The instruction will be for the most part by lectures and by references to the literature of the subject. Prerequisite, two majors of college work in history. *Fall, Winter, 2:00.*
- [2. **ANTE-NICENE CHRISTIANITY:** The origin of Christianity in history, the Apostolic age, spread of the Christian religion, development of doctrine and organization, to the time of Constantine. Prerequisite, two majors of college work in history. Not credited toward the A. B. degree.]
3. **EARLY CHRISTIAN LITERATURE:** Advanced work in the writings of the Ante-Nicene Fathers. Not credited toward the A. B. degree. *Spring, 2:00*
- [6. **CHRISTIANITY IN THE MIDDLE AGES:** The rise, supremacy and decline of the papacy; the conversion of northern and western Europe; the spread and influence of monasticism; scholasticism and the development of doctrine; religious life in the Middle Ages. Prerequisite, course 1.]

- [9. **STUDIES IN CHRISTIAN BIOGRAPHY:** A careful study of the life and work of great leaders of the Church and of religious movements. The men considered include such names as Athanasius, Augustine, Gregory the Great, Francis of Assisi, Luther and Calvin.]
- [10. **HISTORY OF CHRISTIAN DOCTRINE:** The belief of the Church as expressed by theologians and councils; heresies and their significance; the great changes of Christian thought. Not credited toward the A. B. degree.]
- [11. **HISTORY OF MISSIONS:** This course will treat briefly of the scriptural basis of missions, of the conversion of the Roman Empire, and of the Teutonic and Slavic peoples, of the prominent missionaries during the Middle Ages, and of Roman Catholic and Protestant missions after the Reformation. Special attention will be given to biography and to modern methods of mission work.]
- [12. **HISTORY OF NEW TESTAMENT TIMES:** A study of the life of the Jewish people and their surroundings from the time of the Maccabees to the fall of Jerusalem, with special consideration of the beginning of Christianity.]

NEW TESTAMENT LITERATURE AND INTERPRETATION.

PROFESSOR HALL.

General Statement. The Greek Grammar of the New Testament will be inductively taught upon the basis of the New Testament itself. Thorough as well as cursory reading of the Greek Testament will be required, and such a general working knowledge of the New Testament will be imparted as will enable the student further to pursue his studies systematically. Instruction in the doctrines of the New Testament and its homiletical value will not be neglected. Some idea of the state of the world at Christ's coming, of the literature then influencing mankind, and especially the Hebrew people, and a gen-

eral knowledge of the life of Christ and the early days of Christianity, will be given. It is not so much the purpose to impart knowledge as to teach the student how to acquire the knowledge for himself.

Courses in New Testament.

1. NEW TESTAMENT GREEK GRAMMAR: A strictly linguistic study of the peculiarities of New Testament Greek. Reading of selected passages. Prerequisite, two years of classical Greek. This course is prerequisite to the following courses in New Testament Greek. *Fall, 9:00.*
2. THE SYNOPTIC GOSPELS: The reading of the Greek text and careful exegetical study. *Winter, 9:00.*
- [3. THE GOSPEL AND EPISTLES OF JOHN: An exegetical study of the Greek text. The aim of this course is to enable the student to familiarize himself with the vocabulary and teaching of the Gospel and Epistles of John. *Winter.]*
4. THE PAULINE EPISTLES: The reading of the Greek text, special study of Romans and of the great words which Paul employs in this epistle. *Spring, 9:00.*
5. NEW TESTAMENT THEOLOGY—THE SYNOPTICS: A study of the teachings of Jesus as recorded in the first three Gospels. Should be preceded by course 2. Not credited toward the A. B. degree. *Fall, 10:30.*
6. NEW TESTAMENT THEOLOGY—PAUL: A study of the leading ideas of the Apostle Paul, as described in his epistles. Not credited toward the A. B. degree. *Winter, 10:30.*
7. NEW TESTAMENT THEOLOGY—JOHN: A constructive study of the writings of John. Not credited toward the A. B. degree. *Spring, 10:30.*
- [8. ACTS OF THE APOSTLES.]
- [9. NEW TESTAMENT INTRODUCTION: A study of the authorship, date, historical setting and structure of the books of the

New Testament, with a brief survey of the history of the Canon. Not credited toward the A. B. degree.]

Biblical Literature in English.

PROFESSOR HALL.

General Statement. These courses are intended to give the college student an introduction to the study of the English Bible. Candidates for the A. B. degree may elect three majors in this department, and they are urged to do so as early as possible in the college course. Special ministerial students should consider these courses fundamental to all others which they may desire to pursue. Work in this department is not credited toward a graduate degree.

Courses in Old Testament Literature.

1. THE HEXATEUCH: A non-technical study of the first six books of the Bible. *Fall, 8:00.*
2. THE HISTORICAL BOOKS: A study of the history of Israel, based directly on the reading and comparison of the historical books. *Winter, 8:00.*
3. THE PROPHETICAL BOOKS: The origin, growth and character of Hebrew prophecy. *Spring 8:00.*

New Testament Literature.

1. THE PAULINE LETTERS. *Fall, 8:00.*
2. THE SYNOPTICAL GOSPELS. *Winter, 8:00.*
3. THE JOHANNINE GOSPEL AND LETTERS. *Spring, 8:00.*

NOTE.—Either the courses in the Old Testament or those in the New will be offered, but both series will not be offered in the same year.

SCHOOL OF MUSIC

CLARENCE FORSYTH, Director.

The School of Music is separate from the College, having its own management and imposing its own fees. Its courses of instruction are divided into theoretical and practical. College credits are allowed for the theoretical courses only. A special diploma, however, will be given by the School of Music under the following conditions: 1. The student shall complete successfully a four years' course in music and show himself qualified to act as teacher or to appear as soloist. 2. He shall include in his studies the first, second and third courses in the theory of music and twelve majors of college work.

Theoretical Courses.

1. HISTORY OF MUSIC from its earliest stages; History of Church Music from the time of Gregory; History of Opera and Oratorio; study of the works of famous composers, with practical illustrations.
2. HARMONY: The study of chords, their construction, relations and progressions; harmonization of given melodies; exercises from figured basses and analysis.
3. COUNTERPOINT: The study of counterpoint, canon, fugue and analysis.
4. COMPOSITION: Practical study of composition in both small and large form.

In courses 2, 3, 4, piano playing is a prerequisite.

Practical Courses.

The courses in practical music consist of instruction in playing the piano and in singing.

Only individual lessons are given in these courses.

Fees and Instruction.*Theoretical Courses.*

Two hours weekly, \$12 per college term of 12 weeks.

Practical Courses.

PIANO (for students taking the regular course in music): Two half-hour lessons weekly with Mr. Forsyth, \$36 per college term of 12 weeks.

PIANO (for other persons): Two half-hour lessons weekly with Mr. Forsyth, \$48 per college term of 12 weeks.

PIANO: Two half-hour lessons weekly with Miss Leedy, \$24 per college term of 12 weeks.

SINGING: Two half-hour lessons weekly with Mr. Jeffries, \$24 per college term of 12 weeks.

Students taking the regular course in music for a single subject in College will be charged but one-third (\$5) the regular fee.

The Starr piano used for concert occasions is furnished by the Starr Piano Company, Indianapolis.

DEPARTMENT OF ART

MYRTLE LEWELLYN TAYLOR, Director.

This department offers class work to all students in College. The School of Art is separate from the College and charges its own fees. College credits are not allowed for work done in the Art Department.

Courses.

1. **FREE-HAND:** Principles of free-hand drawing, linear perspective, light and shade. Instruction in pencil and charcoal.
2. **DRAWING FROM CASTS AND STILL LIFE:** Charcoal.
3. **DRAWING FROM MODEL:** Charcoal.
4. **PEN SKETCHING FROM MODEL.**
5. **FLAT COLORING AND WASH WORK.**
6. **CARTOONING** in black and white, also color.

Class time required in above courses.....2 hours per week

Cost of material in class.....\$1.00 per term

Tuition, regular course.....Free

7. **WATER COLORS:** Studies in color in landscapes, 4 summer studies, 2 winter and 1 Delft.
8. **FLOWERS:** Simple and in group. Dutch method.
9. **HEAD AND FIGURES.**

Class time required in courses 7, 8, 9.....3 hours per week

Cost of material, paints, brushes and paper.....\$1.40

Tuition, special course..... 4.00

10. CHINA PAINTING: The aim in the instruction is to impart a general knowledge of ceramic art. Students are expected to make each a half-dozen plates and one ornamental piece during a term. Colors used: Tube, LaCrox and Dresden. Powders for tints: Aulick and Fry.

Class time required.....	2 hours per week
Materials, paints, etc.....	\$1.60
Burning (half-dozen plates).....	.50
Tuition, three months.....	4.00

NORMAL COURSE FOR TEACHERS

Session of 1909.

MONDAY, MAY 10—SATURDAY, JULY 31.

GENERAL ANNOUNCEMENT.

Under the present school law of Indiana all teachers in the common schools of the State who begin their work after August 1, 1908, must have at least twelve weeks of professional training in an approved normal school or college. Teachers are divided, according to preparation, experience, success and character of license held, into three classes, A, B and C, and a maximum and minimum salary fixed for each class.

Butler College has been accredited by the State Board of Education for the preparation of teachers in each of the three classes, A, B and C, provided for by the law. In addition to the work pursued throughout the college year in educational psychology and allied subjects, the special twelve-weeks' course herein announced has been arranged for the benefit of those who desire to be enrolled this year under Class A, or to do additional work leading to enrollment in Classes B and C.

All graduates of commissioned or certified non-commissioned high schools, and those who have equivalent scholarship, who secure a license of twelve months, become by the completion of the Butler College twelve-weeks' normal course members of Class A, and are eligible to teach in any of the common schools of Indiana.

COURSES OF INSTRUCTION

The following courses are open to all graduates of high schools and to other approved applicants. Those who expect to be enrolled as teachers in Class A are required to take courses

1 and 2, and any two of courses 3, 4 and 5. No one, unless by special permission, will be allowed to take more than four courses. Courses 1 and 2 and two other courses give all the professional training required of teachers in Class A.

All courses consist of five recitations, of fifty minutes, each week for twelve weeks. If applied toward college degrees or toward satisfying requirements for Class B or Class C, each course counts as a major credit. (See page 33.) Unless otherwise specified the instructors are regular members of the Butler College faculty.

Observation of work in the city schools of Indianapolis is arranged for and required in connection with all of the courses. As the Indianapolis schools are among the best in the United States, and the instructors in the Butler College normal course enjoy the hearty cooperation of the city schools, this part of the work is of great advantage, and is one of the most attractive features of the course.

Course I. Educational Psychology. MR. JOSEPH K. HART,
Assistant Professor of Education, Butler College, during Normal course and summer school of 1909.

Course II. Principles of Education. MR. JOSEPH K. HART.

Course III. English: Language, Grammar and Composition.
MISS CORNELIA A. ALLEN.

Course IV. United States History. PROFESSOR C. B. COLEMAN.

Course V. Elementary Mathematics: Arithmetic, Algebra.
PROFESSOR E. N. JOHNSON.

SUMMER SCHOOL

FACULTY.

DEAN.

THOMAS CARR HOWE, PH. D., President of Butler College.

DEPARTMENT OF ENGLISH.

ARCHIBALD MACMECHAN, PH. D., George Munro Professor of English, Dalhousie College, Halifax, Nova Scotia.

CORNELIA A. ALLEN, A. M., Instructor in English, Butler College.

DEPARTMENT OF MODERN LANGUAGES.

JOSEPH K. EGGER, A. M., Assistant Professor of German, Butler College.

DEPARTMENT OF HISTORY AND CIVICS.

ARTHUR W. DUNN, A. M., Director of Civics, Indianapolis Public Schools.

DEPARTMENT OF EDUCATION.

JOSEPH K. HART, A. B., Assistant Professor of Education, Butler College, for 1909.

DEPARTMENT OF BIOLOGY.

HENRY L. BRUNER, PH. D., Professor of Biology and Geology, Butler College.

DEPARTMENT OF NATURE STUDY.

ROUSSEAU MCCLELLAN, A. B., Head of the Department of Botany and Zoology, Shortridge High School, Indianapolis.

DEPARTMENT OF MATHEMATICS.

ELIJAH N. JOHNSON, A. M., M. S., Professor of Mathematics, Butler College.

CALENDAR.

June 17, Thursday—Fifty-fourth Annual Commencement of Butler College.

June 21, Monday—Registration for Summer School.

June 22, Tuesday—Instruction begins.

June 25, Thursday—First Reception, Bona Thompson Memorial Library.

July 30, Friday—Examinations begin.

July 31, Saturday—Examinations and close of Summer School.

THURSDAY, JUNE 17—SATURDAY, JULY 31, 1909.

GENERAL ANNOUNCEMENT.

Terms of Admission. There will be no formal examinations for admission. Students, both men and women, will be admitted to such courses as they are qualified to pursue to advantage. The regular class instruction of the Summer School will begin promptly on June 22. After July 3, no change of courses will be allowed, nor will credit for attendance be given to students entering after that date.

Students completing the work of any of the courses in the Summer School and passing examination thereon will be granted a certificate upon request. Regularly matriculated students of Butler College will receive college credit for work done in Summer School.

Fees. The regular fee will be \$10 for each major course, whether elementary or advanced, and \$6 for each minor course taken.

Students taking the course in Nature Study will be charged an additional fee of \$1.00, plus breakage or other damage to apparatus.

Fees must be paid at the time of registration.

When an announced course has not been applied for by at least five students, the instructor shall be at liberty to withdraw the course.

No student will receive credit for work amounting in value to more than two majors or four minors.

All classes meet on Monday, Tuesday, Wednesday, Thursday and Friday unless otherwise specified.

ENGLISH.

1. THE AGE OF TENNYSON: Forces and origins. Expansion of the British empire. The literary movement. Tennyson, personality of the Memoir. The Nineteenth Century Pope. Poems, chiefly Lyrical. English Idylls. In Memoriam. Browning, in the Letters. Men and Women. Arnold, critic and poet. Poems, Essays in Criticism. Carlyle, a man misunderstood, rehabilitation. Sartor Resartus, Heroes and Hero-Worship.

Texts recommended: Select Poems of Tennyson, Belles Letters series, Heath & Co. Men and Women, one vol., Dent & Co. Arnold's Poems, Macmillan, one vol. Essays in Criticism, Everyman's Library. Sartor Resartus, Heroes and Hero-Worship. Athenæum Press series, Ginn & Co.

Minor.

PROFESSOR MACMECHAN.

2. SHAKESPEARE: The age of Gloriana, Harrison, Hentzer, Hakluyt. The era of discovery and adventure. Conditions of production. The Elizabethan stage (illustrated lecture). The First Folio. Interpretation of history. The springs of laughter. Tragedy. Aristotle and Bradley.

Plays read and interpreted: King John, Henry V, As You Like It, Coriolanus, King Lear.

Texts recommended: Temple edition. Dent & Co. (Dutton.) *Minor.*

PROFESSOR MACMECHAN.

3. THE NOVEL OF THE NINETEENTH CENTURY: Introductory. The origin of the Novel. Fielding. Richardson. Decadence. Scott, the Wizard of the North. Old Mortality. Historical novel-writing. Dickens, champion of the Democracy. David Copperfield. Thackeray, satirist and sentimentalist. Vanity Fair. George Eliot, moralist. Romola. The lesser names.

Texts recommended: Raleigh, *The English Novel*. Cross, *Development of the English Novel*. The cheap and serviceable editions of the novels in "Everyman's Library" (Dutton) will be used in class. Only two of these courses will be given. *Minor*. PROFESSOR MACMECHAN.

4. RHETORIC AND COMPOSITION: The course is intended to furnish the elements of rhetoric and to supply practice in English composition. There will be daily and weekly themes illustrating the different kinds of construction. This course will be conducted with direct reference to teachers. *Minor*. MISS ALLEN.

MODERN LANGUAGES.

Courses in German, French or Spanish will be arranged if applied for by a sufficient number of students.

ASSISTANT PROFESSOR EGGER.

HISTORY.

1. UNITED STATES HISTORY, 1763-1898: An outline course devoted chiefly to the study of the formation and development of national life. Only the larger and more important movements can be considered, but an attempt will be made to give a clear idea of the issues involved in and the outcome of such movements as the Revolution, the formation of a national government, westward expansion, the slavery question, secession, reconstruction and industrial development since the war. With this will be joined a short biographical study of five or six men whose influence and personality made them of importance in these movements and illustrative of the times in which they lived. Either one of these two parts of the course may be taken separately as a minor, or they may be taken together as a major. *Minor* or *Major*.

PROFESSOR COLEMAN.

CIVICS.

1. A course primarily in municipal government, but including a brief survey of the State government, especially in its relations to city government. Certain phases of national government will also be dealt with, particularly political parties and their relations to municipal affairs. A text will be used, supplemented by lectures. *Minor.* MR. DUNN.

EDUCATION.

1. EDUCATIONAL PSYCHOLOGY: This course will lay the foundation for a scientific treatment of educational problems by making the student familiar with the psychological processes which condition educational practice. The course will begin with an elementary study of perception, and will then take up sensation and the structure of the nervous system. The fuller meanings of perception will then be taken up, and the ideational, emotional and volitional processes will be treated with such fullness of detail as time permits. The text will be Angell's Psychology (revised edition, 1908.) *Minor.*
2. PRINCIPLES OF EDUCATION: Leading problems of education on the basis of modern psychology. Studies, lectures, required readings and reports. Dewey's School and Society, James' Talks to Teachers, and selected parts of Bagley's The Educative Process will be covered in the course. Effort will be made to make the student conscious of present day problems in educational practice and theory. *Minor.* MR. HART.

BOTANY AND PHYSIOLOGY.

1. BOTANY: Structure, physiology and classification of the flowering plants and ferns. This course may be offered as part of the college requirement in Botany. Laboratory work and lectures, three hours daily. Laboratory fee, \$3.00. *Major.* PROFESSOR BRUNER.

2. **PHYSIOLOGY, HYGIENE AND SANITATION:** This course is designed to furnish knowledge which will aid the student in the right conduct of his physical life. Laboratory fee, \$1.50. *Major or Minor.* PROFESSOR BRUNER.
- Only one of these courses will be given.

NATURE STUDY.

1. **NATURE STUDY:** A study of common plants and animals; identification of trees; life history of insects; preparation of aquaria. Special attention will be given to the field study of birds, their nesting habits, migration, economic value; bird protection; suggestions for bird study in schools. Irvington offers an unusual opportunity for this work. Hodge's Nature Study and Life will be used for reference work. A laboratory fee of one dollar will be charged. Lectures, laboratory and field work. The course will not be given for less than twenty students. *Major.* MISS McCLELLAN.
2. An advanced course in Nature Study, for those who have had course 1 or its equivalent, will be offered if a sufficient number desire it. *Minor.* MISS McCLELLAN.

ASTRONOMY.

1. **DESCRIPTIVE ASTRONOMY:** This course is designed for those wishing to gain a knowledge of the principles of the science of astronomy. No mathematical preparation is necessary. In connection with the descriptive work, one or two nights of each week will be spent in the observation and location of the prominent stars and constellations. The telescope will be used in the study of the moon, the planets, the nebulae and double stars. *Minor.* PROFESSOR JOHNSON.

EXTENSION COURSES

IN COOPERATION WITH THE INDIANAPOLIS PUBLIC SCHOOLS.

1908-1909.

THURSDAY, OCTOBER 8—SATURDAY, MAY 22, 1909.

FACULTY.

DEAN.

THOMAS CARR HOWE, PH. D., President Butler College.

CHRISTOPHER B. COLEMAN, Professor of History, Butler College.

HOWARD WOODHEAD, Acting Professor of Sociology and Economics, Butler College.

WILL D. HOWE, Professor of English Literature, Indiana University.

JAMES A. WOODBURN, Professor of American History and Politics, Indiana University.

EDWARD B. BIRGE, Director of Music, Indianapolis Public Schools.

WILBERT LESTER CARR, Head of the Department of Latin, Shortridge High School.

ARTHUR W. DUNN, Head of the Department of History and Civics, Shortridge High School.

ROUSSEAU MCCLELLAN, Head of the Department of Biology and Physical Geography, Shortridge High School.

GENERAL ANNOUNCEMENT.

The object of this department is to offer instruction in a limited number of college subjects to persons who can not attend the regular college classes. Classes are held once a week, either after the close of teaching and business hours or on Saturday. The work is of the same standard and character as ordinary college work. But, while the general purpose is culture and training in the methods and spirit of modern scholarship, many of the courses are so shaped as to be of direct use to those engaged in teaching in the public schools, in the study of art and literature, or in certain forms of business.

Admission. 1. Any one who has fulfilled the requirements for admission to Butler College is admitted as a *regular student*, i. e., as a candidate for a college degree.

2. Any one who, in the judgment of the instructor, is qualified to do the work which he desires to take, may be admitted to such work as an *unclassified student*. If later he becomes a regular student credits obtained in this department will apply toward a degree.

Fees. 1. A registration fee of fifty cents is required of each student.

2. Through the cooperation of the Board of School Commissioners of Indianapolis the tuition fee for teachers in the Indianapolis Public Schools for the year 1908-1909 is reduced to \$5 for each major, and \$3 for each minor course. For all other students the tuition fee is \$10 for each major, and \$6 for each minor course.

Work Required All work, unless otherwise stated, satisfactorily and **Credits.** completed by regular students is credited by Butler College, and is recognized by other Colleges. Thus work in this department counts toward a degree in any institution as fully as work done in residence. The amount of college credit received for each course is indicated under that course, the unit being a major, which means from forty-five to fifty-five hours of

classroom work, or thirty exercises of an hour and a half or more each.

The Indianapolis Board of School Commissioners accepts work in these courses in lieu of the examinations for assistant principals' and principals' certificates, credit in each course completed giving exemption from one of the examinations required, except in the case of the physiography required for the principals' certificates, for which credit equal to a full college major is required.

Those not desiring credit, but wishing to attend the lectures, or engage in the work planned by the instructors, may enroll in any of the courses, subject to the consent of the instructor, and need not take examinations.

LATIN.

1. **CICERO:** De Senectute and De Amicitia. Translation and literary study, together with a study of grammar and construction as required, with occasional exercises in composition. *Major.* MR. CARR.

Saturdays, 8:30-10:00.

Benjamin Harrison School, Room 5.

ENGLISH LANGUAGE AND LITERATURE.

1. **ENGLISH WRITING:** A course in English writing, dealing with the principles of oral and written discourse. Lectures discuss the main points of composition and appreciation. Reading of certain essays and short stories illustrating good writing. A number of themes are to be written, typifying the points discussed in class. Twenty meetings will be held in this course. $\frac{2}{3}$ *Major.* PROFESSOR WILL D. HOWE.
Saturdays, 9:00-10:30.

Benjamin Harrison School, Normal Room.

3. **THE ENGLISH NOVEL:** A review of the history of English fiction with a particular study of five of the greatest novel-

BUTLER COLLEGE

ists of the Nineteenth Century. Twenty meetings of this class are held. $\frac{2}{3}$ *Major*. PROFESSOR WILL D. HOWE.
Saturdays, 10:30-12:00.
Benjamin Harrison School, Normal Room.

SOCIOLOGY.

1. **ANTHROPOLOGY:** A course embracing the study of the origin of the human species; the relation of man to his environment; the main divisions of the human family, their distribution and prominent characteristics; the origin and development of language; the early steps in civilization; the origin and early development of the social institutions; the early stages of religious development.

The subject is presented in lectures, but the class reads Tylor's *Anthropology* and various briefer references.

The purpose of the course is to introduce the student to the subject of human development; therefore it touches upon all of the main facts of human experience, attempting to view them in the light of the doctrine of evolution.

Major.

ACTING PROFESSOR WOODHEAD.

Tuesdays, 3:45-5:15.

Shortridge High School, Room 9.

HISTORY.

1. **THE UNITED STATES FROM 1850 TO 1896:** A discussion of the men and movements of this period, with special emphasis upon political development. The first ten lectures of the course are delivered by Professor James A. Woodburn, of Indiana University, upon the period from 1850 to 1870. The subsequent twenty meetings of the class are conducted by Professor C. B. Coleman. *Major*. PROFESSOR WOODBURN.

PROFESSOR COLEMAN.

Saturdays, 10:00-11-30.

Benjamin Harrison School, Room 18.

CIVICS.

1. CIVICS: A study of citizenship in its broad relationship, with due attention to the nature, function and mechanism of government, which is examined in its proper perspective with reference to community life. Actual conditions and relationships of our own community, and current problems of State and national importance are given emphasis, and the civic function of the public school receives attention.

A collection of books sufficient for all requirements is provided and conveniently placed for collateral work; but the point of view and method of approach of Dunn's *The Community and the Citizen* is adopted. *Major*.

MR. DUNN.

Tuesdays, 3:45-5:15.

Shortridge High School.

NATURE STUDY.

1. NATURE STUDY: A study of common plants and animals; identification of trees; field study of birds, life history of insects; preparation of aquaria. Hodge's *Nature Study and Life* will be used. The exact amount of college credit given is dependent in part upon the amount of field and laboratory work done. Lectures, laboratory and field work. *Minor* or *Major*.

MISS McCLELLAN.

Thursdays, 3:45-5:15.

Shortridge High School, Room 22.

MUSIC.

1. MUSICAL LITERATURE AND HARMONY: A theoretical course in history and interpretation of music. While of special interest to teachers in the Public Schools, this course is open to others. *Major*.

MR. BIRGE.

Thursdays, 3:45-5:15.

Benjamin Harrison School, Room 8.

COMMENCEMENT RECORD

1908.

DEGREES CONFERRED.

Bachelor of Arts.

BURKHART, CLAUDE MERRIL.	LENNES, EVA MAY.
BURT, ANNA HOWELL.	LOWE, LETTIE.
CARR, LUCILE.	MCGOWAN, DAISY ETHEL.
CHAMBERLIN, ROMENTA BLUE.	MURPHY, MALLIE JOHN.
DAVIS, SUSANNE WEED.	OSBORN, JAMES.
DIDLAKE, LUCILE ALMA.	POWER, BESSIE FAY.
EDGERTON, CHARLOTTE DIXON.	SCOTTEN, HALLIE GRETCHEN.
FORSYTH, PEARL BARNETT.	SMITH, BENJAMIN.
HOOVER, ALMA ROSE.	TRUSTY, CLAY.
HOSBROOK, FLORENCE MAUDE.	WEER, PAUL WILEY.
HUGHES, ANNA.	WITT, JOSHUA CHITWOOD.
WOOD, ELMO SCOTT.	

PRIZES AWARDED.

University of Chicago Scholarships—ELMO SCOTT WOOD, HALLIE GRETCHEN SCOTTEN, EVA MAY LENNES.

First Rank in State Oratorical Contest—JENNY LEE.

Second Rank in State Oratorical Contest—DANIEL SOMMER ROBINSON.

Debating Teams—

Affirmative Team—HERBERT ROBERT HYMAN, OSWALD RYAN, CLARIS ADAMS.

Negative Team—ELBERT HOWARD CLARKE, DANIEL SOMMER ROBINSON, ROGER WAYNE WALLACE.

CATALOG OF STUDENTS

ANNUAL SESSION ENDING JUNE 17, 1909.

ADAMS, CLARIS	Indianapolis.
AGNEW, BERNICE LEONA.....	Indianapolis.
ALEXANDER, ETHEL.....	Fountain City.
ANDERSON, LENA HARRIETTE.....	Lafayette.
ARBUCKLE, FRED S.....	Homer.
ASH, EDWARD.....	Indianapolis.
AXTELL, MARGARET.....	Indianapolis.
AYRES, VIDA E.....	Indianapolis.
BACHMAN, IRMA.....	Indianapolis.
BAIRD, EDWARD L.....	Shelbyville.
BAKER, BURT.....	North Vernon.
BARNETT, CARL H.....	Plainfield.
BARR, MARGARET ANN.....	Indianapolis.
BATES, MARY KEZIA.....	Fredonia, Kan.
BATTON, ROBERT RALPH.....	North Vernon.
BENNETT, ETHEL L.....	Fountain City.
BENTON, MARJORIE.....	Indianapolis.
BERRY, C. R.....	Mays.
BLACKLIDGE, ETHEL	Rushville.
BLACKMAN, EARL A.....	Lisbon.
BLACKMAN, LESTER J.....	Lisbon.
BLIZZARD, MERRITT F.....	Franklin.
BOGERT, ELIZABETH THOMSON.....	Indianapolis.
BOND, LORA M.....	Indianapolis.
BOSTON, FLOYD.....	Indianapolis.
BOSTON, MAUDE.....	Indianapolis.
BOTSFORD, MARION PAUL.....	Greenfield.
BRADEN, FANNIE.....	Indianapolis.
BRAYTON, ELIZABETH N.....	Indianapolis.
BRENDEL, FERN.....	Zionsville.

BRIGGS, OKEL.....	Indianapolis.
BROOKE, PRICE O.....	Brownstown.
BROWDER, CLIFFORD.....	Indianapolis.
BROWN, EDITH.....	Indianapolis.
BROWN, LOIS STEVENS.....	Indianapolis.
BROWN, LOUISE M.....	Indianapolis.
BURKHARDT, CARL A.....	Tipton.
BURKHARDT, JOHN WESLEY.....	Indianapolis.
BURKHART, CLAUDE MERRIL.....	Indianapolis.
BURNAU, WINFIELD LARA.....	Indianapolis.
BURT, ANNA HOWELL.....	Indianapolis.
CASEY, ALYS.....	Clark's Hill.
CASEY, WILBUR A.....	Whitestown.
CLARKE, ELBERT HOWARD.....	Edinburg.
CLARKE, GEORGE FRANKLIN.....	Edinburg.
CLARKE, IRA D.....	Edinburg.
CLIFFORD, JEANETTE OTIS.....	Indianapolis.
COCHRANE, JUEL.....	Spencer.
COOPER, CARRIE.....	Middletown.
COOPER, EDNA.....	Middletown.
COOPER, LOIS F.....	Greenfield.
COPELAND, GLADYS.....	Indianapolis.
COULSON, OPAL E.....	Lebanon.
CRAVENS, MARY EMILY.....	Indianapolis.
CRUSE, GLENN.....	Zionsville.
CULLEN, JOHN.....	Indianapolis.
DANIELS, ELVIN.....	Indianapolis.
DAVENPORT, FRANK BYMER.....	Indianapolis.
DAVENPORT, FREDERICK THOMAS.....	Indianapolis.
DAVIS, HELEN MARGARET.....	Indianapolis.
DEWALD, EVA M.....	Indianapolis.
DUDEN, MARGARET K.....	Indianapolis.
DUVALLE, SYLVESTER.....	Indianapolis.
EALY, CORNELIA	Huntington, Pa.
ECTON, WILLIAM HARVEY.....	Indianapolis.
EDGINGTON, GENEVRA.....	Indianapolis.

EDWARDS, SCOTT.....	Greenfield.
ELDRIDGE, LUTHER.....	Pasadena, Calif.
EMPSON, MATTIE.....	Brownstown.
ESSON, ALBYN.....	Silverton, Ore.
FARMER, EARL STAPHORD.....	Hollansburg, O.
FAUNCE, HOWARD C.....	Philadelphia, Pa.
FERGUSON, CHARLOTTE.....	Indianapolis.
FITTS, NADJA.....	Indianapolis.
FLEECE, VERNER BREWER.....	Indianapolis.
FOLTS, GERTRUDE IRVING.....	Winchester, Mass.
FORSYTH, OLIVER.....	Nineveh.
FORT, AGNES.....	Greenfield.
FOSTER, MOUNT VERNON.....	Indianapolis.
FRANKLIN, CECIL DALLAS.....	Washington, Kan.
FRICK, FLORA MARGARET.....	Indianapolis.
GARRIOTT, LAURENCE EARL.....	Greenfield.
GIVENS, WILLARD EARL.....	Anderson.
GOE, CORNELIA.....	Indianapolis.
GORDON, BLANCHE CATHERINE.....	Morristown.
GREEN, R. M.....	Muncie.
GREER, BEULAH.....	Indianapolis.
GRIER, ALBERT P.....	Bellevue, Pa.
GRIGGS, MARY CLARISSA.....	Montclair, N. J.
GULLEFER, DOCIA CARRIE.....	New Augusta.
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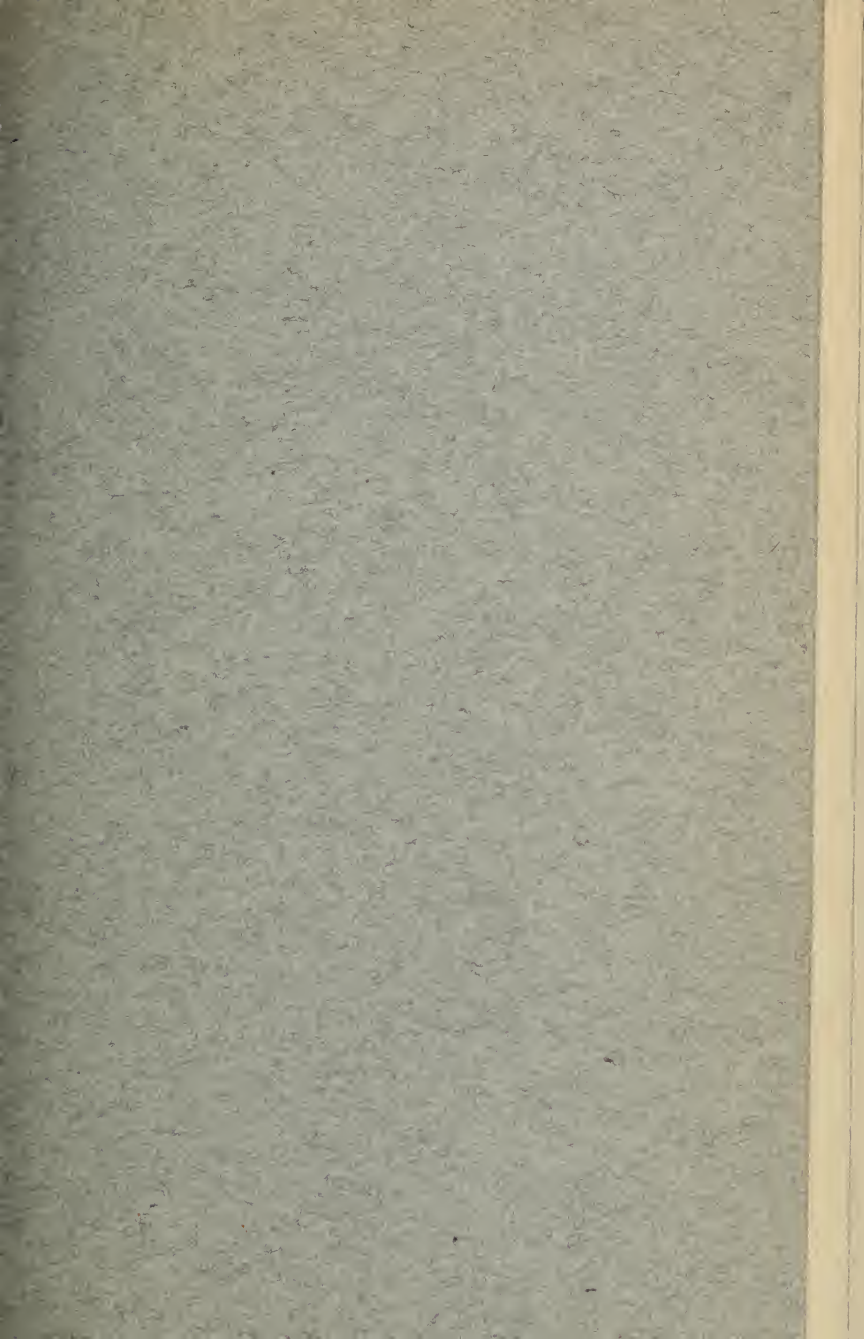
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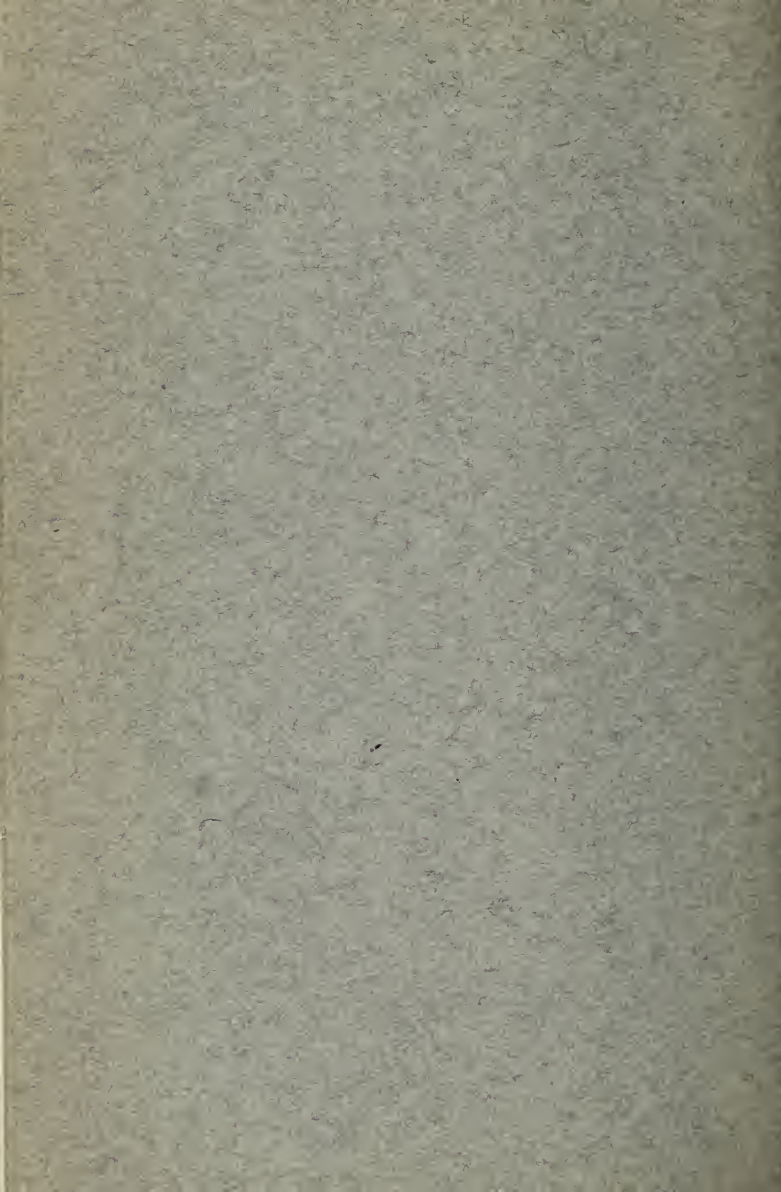
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FOR THE FIFTY-FIFTH SESSION

1909-1910

WITH ANNOUNCEMENTS FOR 1910-1911

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2
In 27H

COLLEGE CALENDAR

SUMMER TERM, 1910

June 20.....Monday.....Registration.
June 21.....Tuesday.....Instruction Begins.
July 29, 30.....Friday,Saturd'y.Examinations and Close of Summer Term.

FALL TERM, 1910

Sept. 20.....Tuesday.....Registration and Assignment of Work.
Sept. 21.....Wednesday.....Instruction Begins.
Oct. 12.....Wednesday.....Quarterly Meeting Board of Directors.
Nov. 24-26.....Thursday-Sat...Thanksgiving Vacation.
Dec. 6, 7.....Tuesday, Wed...Registration for Winter Term.
Dec. 15-17.....Thursday-Sat...Term Examinations and Close of Fall Term.

WINTER TERM, 1911

Jan. 2.....Monday.....Registration and Assignment of Work.
Jan. 3.....Tuesday.....Instruction Begins.
Jan. 11.....Wednesday.....Quarterly Meeting Board of Directors.
Feb. 7.....Tuesday.....Founder's Day.
March 14, 15....Tuesday, Wed...Registration for Spring Term.
March 23-25.....Thursday-Sat...Term Examinations and Close of Winter Term.

SPRING TERM, 1911

March 30.....Thursday.....Registration and Assignment of Work.
March 31.....Friday.....Instruction Begins.
April 12.....Wednesday.....Quarterly Meeting Board of Directors.
May 8.....Monday.....Normal Course for Teachers Begins.
June 10, 12, 13.:Sat., Mon., Tue..Term Examinations.
June 11.....Sunday.....Baccalaureate Sermon.
June 13.....Tuesday.....President's Reception.
June 14.....Wednesday.....Alumni Reunion and Class-Day Exercises.
June 15.....Thursday.....Fifty-Sixth Annual Commencement.

SUMMER TERM, 1911

June 19.....Monday.....Registration.
June 20.....Tuesday.....Instruction Begins.
July 28, 29.....Friday,Saturd'y.Examination and Close of Summer Term.

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Ph. B., Butler College, 1889; A. M., *ibid.*, 1893; Student, University of Berlin, 1890-'92; Graduate Student, Harvard University, 1896-'99; A. M., *ibid.*, 1897; Ph. D., *ibid.*, 1899; Instructor in German, *ibid.*, 1898-'99; Instructor in German and Latin, Butler College, 1889-'90; Armstrong Professor of Germanic Languages, *ibid.*, 1890-1910; Dean, Butler College, 1907-'08; President Butler College, 1908-—.

ALLEN RICHARDSON BENTON, A. M., LL. D., Professor of
Philosophy, Emeritus.

A. B., Bethany College, 1848; A. M., *ibid.*, 1849; Professor of Latin and Greek, Northwestern Christian University, 1855-'61; President Northwestern Christian University, 1861-'68; President Alliance College, 1869-'71; LL. D., Butler College, 1871; Chancellor University of Nebraska, 1871-'76; Professor of Philosophy, Butler College, 1876-'96; President Butler College, 1886-'91.

SCOT BUTLER, A. M., LL. D., Professor of Latin Language and
Literature, Emeritus. (124 Downey Avenue.)

A. B., Northwestern Christian University, 1868; A. M., *ibid.*, 1870; Student Classical Philology, University of Halle, and University of Berlin, 1873-'75; LL. D., Butler College, 1896; Instructor in Latin and Mathematics, Indiana University, 1869-'72; Professor of Latin, Butler College, 1871-1907; President Butler College, 1891-1904; 1906-'07.

HENRY LANE BRUNER, A. B., Ph. D., Professor of Biology and
Geology. (360 South Ritter Avenue.)

A. B., Abingdon College, 1880; Student Sheffield Scientific School, Yale College, 1880-'81; Assistant in Marine Investigations of U. S. Commission of Fish and Fisheries, 1881-'84; Student of Comparative Anatomy, University of Freiburg, Baden, 1895-'97; Ph. D., *ibid.*, 1896; Professor of Natural Sciences, Abingdon College, 1881-'84; Professor of Natural Sciences, Eureka College, 1884-'86; Professor of Biology and Geology, Drake University, 1891-'92; *idem*, Butler College, 1892-—.

*JACOB DORSEY FORREST, A. M., Ph. D., Professor of Sociology. (30 Audubon Place.)

A. B., Hiram College, 1892; A. M., *ibid.*, 1892; Graduate Student in Political Science, Ohio State University, 1893-'94; Graduate Student in Sociology, Political Economy and Ethics, The University of Chicago, 1894-'95; Fellow in Sociology, *ibid.*, 1895-'97; Ph. D., *ibid.*, 1900; University Extension Lecturer in Sociology, *ibid.*, 1896-'99; Professor of Sociology and Economics, Butler College, 1897-1909; Professor of Sociology, 1903-—.

*On leave of absence, 1910-'11.

JABEZ HALL, A. M., Professor of Homiletics and Theology
(28 South Irvington Avenue.)

A. B., Bethany College, 1865; A. M., Butler College, 1898;
Pastor Christian Church, Wheeling, W. Va., 1866-'72; Cleveland, Ohio, 1872-'89; Richmond, Va., 1889-'97; Professor of Homiletics and Theology, Butler College, 1897-—.

CHRISTOPHER BUSH COLEMAN, A. B., B. D., Professor of History. (33 Downey Avenue.)

A. B., Yale University, 1896; Auburn Theological Seminary, 1896-'97; Chicago Theological Seminary, 1897-'98; Divinity School, The University of Chicago, 1898-'99; B. D., *ibid.*, 1899; Student, University of Berlin, 1904-'05; Professor of Church History and Acting Professor of History, Butler College, 1900-'09; Professor of History, *ibid.*, 1909-—.

ARTHUR KENYON ROGERS, A. B., Ph. D., Professor of Philosophy and Education. (73 Hawthorne Lane.)

A. B., Colby College, 1891; Graduate Student, Johns Hopkins University, 1891-'92; Honorary Fellow, The University of Chicago, 1892-'93; Instructor, Chicago Academy, 1893-'94; Graduate Student Hartford School of Sociology, 1894-'95; Assistant Superintendent, Charity Organization Society, Hartford, Ct., 1895-'96; Fellow in Philosophy, The University of Chicago, 1896-'98; Ph. D., *ibid.*, 1898; Instructor in Philosophy and Pedagogy, Alfred University, 1899-1900; Acting Professor of Philosophy and Education, Butler College, 1900-'01; Professor of Philosophy and Education, *ibid.*, 1901-'10.

ELIJAH NEWTON JOHNSON, A. M., M. S., Professor of Mathematics. (304 Downey Avenue.)

A. B., Drake University, 1893; A. M., *ibid.*, 1895; M. S., University of Kansas, 1904; Professor of Mathematics, Campbell University, 1893-1903; Graduate Student in Mathematics and Astronomy, The University of Chicago, 1902-'03; Graduate Student in Mathematics and Physics, University of Kansas, 1903-'04; Graduate Student in Mathematics and Astronomy, The University of Chicago, 1905; Acting Professor of Mathematics, Butler College, 1904-'09; Professor of Mathematics, *ibid.*, 1909-—.

RICHARD BISHOP MOORE, B. S., Professor of Chemistry. (216 Ohmer Avenue.)

Student, University College, London, 1886-'90; Instructor in Chemistry, Oswestry High School (England), 1890-'91; Instructor in Chemistry, Birbeck Institute (London), 1891-'93; British Museum, 1893-'95; The University of Chicago, 1896-'97; B. S., *ibid.*, 1896; Instructor in Chemistry, University of Missouri, 1897-1905; Student with Sir Wm. Ramsay, University College, London, 1907-'08; Professor of Chemistry, Butler College, 1905-—.

JOHN SAMUEL KENYON, A. M., Ph. D., Demia Butler Professor of English Literature. (70 Layman Avenue.)

A. B., Hiram College, 1898; A. M., The University of Chicago, 1903; Fellow in English, *ibid.*, 1903-'04; University Scholar, Harvard University, 1905-'06; Thayer Scholar, *ibid.*, 1906-'07; Teacher in public schools, Medina, O., 1892-'93; Teacher of Greek, Latin and English, West Kentucky College, 1898-'99; Professor of Greek and Hebrew, Christian University, Canton, Mo., 1899-1901; Assistant in English, Harvard University, 1905-'06; Ph. D., *ibid.*, 1908; Professor of English, Butler College, 1906-—.

*ERNEST TROWBRIDGE PAINE, A. M., Acting Professor of Latin Language and Literature. (29 Hawthorne Lane.)

A. B., Brown University, 1901; A. M., *ibid.*, 1903; Instructor in Latin, Brown University, 1902-'04; Student, American School of Classical Studies, Rome, and American School of Archaeology, Athens, 1904-'05; Instructor in Greek, Brown University, 1905-'06; Acting Professor of Greek Language and Literature, Butler College, 1906-'07; Acting Professor of Latin Language and Literature, 1907-—.

KATHARINE MERRILL GRAYDON, A. M., Catharine Merrill Professor of English Literature. (303 Downey Avenue.)

A. B., Butler College, 1878; A. M., Indiana University, 1883; Instructor in Indiana University, 1883-'84; Graduate Student, Radcliffe, 1885-'86; Professor of Greek, Hastings College, 1888-'91; Instructor, Oakland High School, 1891-'98; Graduate Student, The University of Chicago, 1898-'99; Professor of English, Oahu College, 1900-'07; Acting Professor of Greek, Butler College, 1907-'09; Catharine Merrill Professor of English Literature, *ibid.*, 1909-—.

JAMES WILLIAM PUTNAM, A. M., Ph. D., Professor of Economics and Political Science. (40 South Ritter Avenue.)

Ph. B., Illinois College, 1894; Graduate Student, The University of Chicago, 1895, and Summer Quarters, 1897, 1900, 1901 and 1903; Instructor in History and Political Science, Illinois College, 1894-'98; Assistant Professor (in charge) of History and Economics, *ibid.*, 1898-1903; Fellow, Cornell University, 1902-'03; A. M., *ibid.*, 1903; Assistant and Graduate Student, University of Wisconsin, 1903-'04; Ph. D., *ibid.*, 1909; Instructor in Economics and Sociology, Northwestern University, 1904-'06; Instructor in Economics, University of Missouri, 1906-'09; Professor of Economics and Political Science, Butler College, 1909-—.

GEORGE HENRY DANTON, A. B., Ph. D., Armstrong Professor of Germanic Languages.

A. B., Columbia University, 1902; Assistant in Comparative Literature, *ibid.*, 1902-'03; Austin Teaching Fellow in German, Harvard University, 1903-'04; Ottendorfer Fellow (New York University) Student, Berlin and Munich, 1904-'05; Ph. D., Columbia

*On leave of absence, 1910-'11.

University, 1906; Instructor in German, College for Women, Western Reserve University, 1905-'07; Acting Assistant Professor of German, Leland Stanford, Jr., University, 1907-'10; Armstrong Professor of Germanic Languages, Butler College, 1910- —.

EDMUND HOWARD HOLLANDS, A. M., Ph. D., Professor of Philosophy and Education.

Ph. B., Cornell University, 1899; Graduate Scholar, Sage School of Philosophy, Cornell University, 1900-'01; A. M., *ibid.*, 1901; Instructor in Latin and German, Wilson School for Boys, Fishkill-on-Hudson, 1901-'03; Graduate Student in Philosophy, Cornell University, 1903-'05; Ph. D., *ibid.*, 1905; Instructor in Philosophy, Sage School of Philosophy, 1905-'06; Instructor in Philosophy, Princeton University, 1906-'07; Instructor in Philosophy, Cornell University, 1907-'09; Assistant Professor of Philosophy, Hamilton College, 1909-'10; Professor of Philosophy and Education, Butler College, 1910- —.

HENRY MILLS GELSTON, A. B., Acting Professor of Latin Language and Literature.

A. B., University of Michigan, 1900; Student, American School of Classical Studies, Rome, 1900-'01; Teacher of Latin in High School, Bay City, Michigan, 1901-'06; Graduate Student of Classics, University of Michigan, 1906-'10; Acting Professor of Latin Language and Literature, Butler College, 1910- —.

***JOSEPH KARL RUDOLF EGGER, A. M.,** Assistant Professor of German and Spanish. (5812 Julian Avenue.)

Graduate, Royal Seminary, Lauingen, Bavaria (Germany), 1883; Public Schools of Hesse and Bavaria, 1883-'89; State Certificate for Hesse, Darmstadt, 1885; State Certificate for Bavaria, Augsburg, 1887; Instructor in German, High Schools, Colorado, 1896-1904; A. B., University of Denver, 1904; A. M., *ibid.*, 1904; Graduate Student, University of Grenoble, France, 1904-'05; Graduate Student, Johns Hopkins University, 1905-'06; Graduate Student, The University of Chicago, 1907; Assistant Professor of German, Butler College, 1906- —; Assistant Professor of German and Spanish, Butler College, 1907-1910.

ARMIN HAJMAN KOLLER, A. M., Acting Assistant Professor of German. (5363 University Avenue.)

Graduate, Royal Gymnasium, Budapest, Hungary, 1902; Graduate Student, University of Budapest, 1902-'03; Student, Western Reserve University, 1903-'05; A. B., *ibid.*, 1905; Graduate Student, *ibid.*, 1905-'06; A. M., *ibid.*, 1906; Teacher of German, Public Schools, Cleveland, Ohio, 1905-'06; Graduate Student, The University of Chicago, 1906-'10; Scholar in German, *ibid.*, 1907; Reader in German, *ibid.*, 1907-'10; Fellow in German, *ibid.*, 1907-'09; Acting Assistant Professor of German, Butler College, February to June, 1910.

*On leave of absence from February, 1910.

EDWARD MARTIN GREENE, A. M., Assistant Professor of Romance Languages.

A. B., Harvard University, 1903; Student at Rouen, France, 1896-'97; Instructor in German, High School, Watertown, Massachusetts, 1903-'05; Head of the French Department, Cheshire School, Cheshire, Connecticut, 1905-'07; Head of the French Department, Hotchkiss School, Lakeville, Connecticut, 1907-'09; Teaching Fellow in French, University of Wisconsin, 1909-'10; A. M., *ibid.*, 1910; Assistant Professor of Romance Languages, Butler College, 1910-—.

CLARA FRANCES McINTYRE, A. B., Instructor in French. (5610 East Washington Street.)

A. B., Radcliffe, 1900; Instructor in English, Butler College, 1900-'03; Instructor in French, Butler College, 1903-1910.

CORNELIA ADELLE ALLEN, A. M., Instructor in English. (30 Audubon Place.)

Ph. B., Hiram College, 1892; Graduate Student in English, Buchtel College, 1893-'94; Graduate Student in English, Philosophy and History, The University of Chicago, 1894-'96; A. M., Hiram College, 1897; Teacher in Akron, O., Public Schools, 1892-'93; Instructor in English and History, Lockland, O., High School, 1897-1900; Principal, *ibid.*, 1900-'01; Instructor in English and History, Butler College, 1901-'07; Instructor in English, Butler College, 1907-—.

MYRTLE LEWELLYN TAYLOR, Instructor in Art.

Assistant Indianapolis High School, 1893-'94; Special Drawing Teacher, Graded Schools, Indianapolis, 1895-'96; Principal of Art Department, Greenville College, 1897-'99; Butler College, 1900-—.

CARL BROSIUS SPUTH, Director of Physical Training.

Graduate Student, Normal College of N. A. G. U., 1904; Supervisor of Physical Training, Public Schools, Leadville, Colorado, 1904-'06; Director of Social Turnverein, Indianapolis, Indiana, 1906-'10; Instructor, Butler College, 1906-'07; Instructor, Normal College of N. A. G. U., 1907-'10; Director of Physical Training, Butler College, 1909-—.

MRS. E. N. EDGINGTON, Head of College Residence.

MARGARET CARLISLE, Librarian.

Officers of the Faculty.

THOMAS C. HOWE.....	President
ARTHUR K. ROGERS.....	Registrar and Secretary
JOHN S. KENYON.....	Examiner
CHRISTOPHER B. COLEMAN.....	Adviser

Faculty Committees.*Graduate Studies.*

PROFESSORS COLEMAN, HALL, ROGERS.

Debate and Oratory.

PROFESSORS KENYON, PUTNAM.

College Paper.

PROFESSORS ROGERS, BRUNER, DANTON.

Athletics.

PROFESSORS COLEMAN, MOORE, AND D. C. BROWN.
(Alumni member.)

Class Standing.

PROFESSORS MOORE, JOHNSON.

Chapel Exercises and Religious Associations.

PROFESSORS KENYON, COLEMAN, AND MISS CORNELIA ALLEN.

Student Affairs.

PRESIDENT AND PROFESSORS COLEMAN, PUTNAM
AND MISS KATHARINE GRAYDON.

Library.

PROFESSORS KENYON, PAINE, ASSISTANT PROFESSOR GREENE.

Auditing.

PROFESSORS JOHNSON, PAINE AND SECRETARY BUTLER, ex officio.

HISTORICAL SKETCH

Butler College operates under a special charter granted by the Indiana Legislature in 1849. This charter is ample for university purposes, as will be seen from the following clause defining the purposes and scope of the institution:

The objects and purposes contemplated by this act of incorporation are hereby declared to be, to establish, found and build up, maintain, sustain and perpetuate at or in the vicinity of Indianapolis, in the State of Indiana, an institution of learning of the highest class, for the education of the youth of all parts of the United States, and especially the States of the Northwest; to establish in said institution departments or colleges for the instruction of the students in every branch of liberal and professional education; to educate and prepare suitable teachers for the common schools of the country; to teach and inculcate the Christian faith and Christian morality as taught in the Sacred Scriptures, discarding as uninspired and without authority all writings, formulas, creeds and articles of faith subsequent thereto; and for the promotion of the sciences and arts."

This charter went into effect January 15, 1850. Funds were subscribed by members of the Christian churches and citizens of Indiana, and the College opened its doors November 1, 1855, in the old Northwestern Christian University buildings in what is now College avenue, the City of Indianapolis. The College of Liberal Arts, opened at that time, has had an uninterrupted existence, and from time to time the institution, either through affiliation or by act of its own directors, has conducted professional schools and carried on university work. At the present time the directors have thought best to concentrate their efforts on the School of Liberal Arts, and at the same time, by husbanding resources and collecting additional funds, to prepare to add departments, as circumstances may warrant.

The general control of the institution's affairs is vested in a

self-perpetuating Board of twenty-one directors. In 1873 the Board determined to remove to Irvington. It was felt that a suburb, withdrawn somewhat from the distractions of the city, and yet enjoying all the advantages of the capital city, would afford a more desirable place of residence for students. In 1875 instruction of the College classes was begun in the new location.

The name of the institution was changed from Northwestern Christian University to Butler University, February 28, 1877, in recognition of the benefactions of Ovid Butler. This change did not affect any chartered obligations of the corporation in respect to the property or graduates, or its purposes, all of which have been determined by a legislative act and the recorded resolutions of the Board of Directors.

By resolution of the Board of Directors April 8, 1896, the name "Butler College" was adopted in lieu of "Butler University," to designate the undergraduate academic department, which is the only part of the comprehensive plan outlined in the charter that has as yet been realized. The legal name of the corporation, however, remains unchanged.

At the triennial election of Directors, June 17, 1909, the stockholders voted to make the newly elected Board of Directors self-perpetuating. This action was taken under a statute enacted by the General Assembly of Indiana in its session of 1909. By the provisions of the same statute the college was enabled to proceed to retire the stock of the corporation on the consent of two-thirds of all outstanding stock. More than two-thirds of the outstanding stock of the institution having subscribed to this agreement, the Directors are now authorized to take this action and are receiving stock assignments for this purpose.

Present Finan- Another forward step has recently been taken
cial Condition. by the Board of Directors, who, realizing the increasing needs of the institution, have been able to secure an additional endowment of \$250,000. This was made possible through the generosity of Joseph I. Irwin, a director of the corporation, who offered \$100,000 provided a total of \$250,000 was secured.

Andrew Carnegie offered the last \$25,000 necessary to secure this endowment. Marshall T. Reeves, a director, subscribed \$30,000, and Charles T. Whitsett gave property netting the College \$12,500 toward the fund, which was completed March 25, 1907, by an energetic effort made by the alumni, citizens of Indianapolis, students in attendance and other friends of the institution. The directors propose to use all funds at their command to increase the efficiency of the courses of study offered, and to make such additions thereto as may be possible.

The property of the corporation is therefore in a very satisfactory shape. Its endowment has always been kept well invested, yielding an assured income. The affairs of the corporation are in the hands of a Board of Directors devoted to its interests, wise and conservative in all their views, and thorough and prudent in the administration of the trust committed to them. The demands made upon an institution of learning at the present day are greater than ever before. The College is yet insufficiently endowed to meet these demands, and it is hoped that the generous spirit which created and has hitherto sustained it will prompt further provision for its development.

Memorial Gifts. The Board of Directors would encourage gifts in the form of endowments of various chairs of instruction. The sum of \$30,000 will endow a professorship which will perpetually bear the name of the donor, or of the one in whose memory it is established. In this way the Jeremy Anderson Chair of Greek, the Demia Butler Chair of English Literature, and the Addison F. Armstrong Chair of Germanic Languages have been established and endowed. The English department has been enlarged and strengthened by the establishment of the Catharine Merrill chair. This gift to the College, made by grateful students and friends, is a memorial to the name it bears, and is to be devoted to the teaching of English literature. Mr. Marshall T. Reeves has endowed the Reeves chair of Biblical Literature as a memorial to his father and mother.

Smaller amounts can be devoted to equally useful purposes.

Subscriptions of \$1,000 to \$5,000 can be devoted to the founding of scholarships for the benefit of deserving young people who stand in need of assistance, and of prizes for the reward and encouragement of the ambitious, or to library endowments for particular departments.

Training of Teachers. By action of the State Board of Education, Butler College has been "accredited" under the school laws of 1907 for all classes, A, B, C. Graduates of the College who elect courses in psychology and education are admitted to "Class C" of public school teachers without examination, and receive the highest minimum salary authorized by law.

Religious Influence. The purpose of the founders, expressed in their act of incorporation, was to establish an institution of learning which would "teach and inculcate the Christian faith and Christian morality as taught in the sacred Scriptures." A course of study in the English Bible is offered to all candidates for a degree. All students are required to attend the regular chapel exercises. The institution has always been religious in spirit; by the terms of its charter it must always be so.

STUDENT ACTIVITIES

Christian Associations. The Young Men's Christian Association and the Young Women's Christian Association are voluntary organizations of students and instructors for the promotion of religious culture and for Christian work in College. Their members are sincere and energetic, and always extend to new students a very cordial welcome. The two associations hold prayer meetings every week, thus greatly assisting in maintaining Christian zeal among the students. A committee from each of these associations is in attendance during the first week of the Fall term for the purpose of assisting those entering college with information in regard to rooms, etc., and in general to afford any assistance in their power, which students who are strangers in Irvington may feel inclined to seek from them. The Y. M. C. A. and the Y. W. C. A. unite in a social given at the beginning of each term, to which all students are invited. This affords opportunity for old students to welcome new, and for all to cultivate more intimate acquaintance. All students who are church members are eligible to active membership in these associations. Students not identified with any church may become associate members.

College Paper. A weekly paper, called "The Butler Collegian," is published in the interest of the students of Butler College, to give the College news and to reflect student opinion. It is edited by representatives of the various College classes. Students and graduates are cordially invited to contribute illustrations, articles, verses, letters and information.

Debates. In the Fall term, annually, a debate is held between representatives of the Freshman and Sophomore classes.

The College is joined with Miami and Ohio Universities in a Triangular Debating League. The purposes of the league are to foster the interests of debating and to discuss in public lead-

ing questions of the day. A question for debate is chosen early in the year by representatives of the three colleges. Each college trains an affirmative and a negative team. For the intercollegiate debate the negative team, in each instance, remains at home and debates with the affirmative team of a visiting college. Each of the three colleges is thus enabled to meet representatives of both the other colleges. The men who represent Butler College in the Triangular Debating League are chosen during the Fall term.

Oratorical Contests. Seven colleges, of which this institution is one, compose the Indiana State Oratorical Association. The local association is composed of members of the College classes. The object of this association is to advance oratory by encouraging students to write and deliver orations. Preliminary contests are held annually to decide upon a representative for the State contests. Contestants are judged on thought, composition and delivery. The contestant receiving the highest average award by the judges represents the College at the State contest. The successful contestant in the State contest represents the State of Indiana in the Interstate contest, composed of ten Western States.

Literary Society. The Philokurian Literary Society, organized in 1876, holds weekly meetings in its hall at the College. Its membership was originally confined to young men, but later young women have also been admitted. The society is in a prosperous condition.

The Lotus Club. This is an association whose object is the bringing together socially of the young women in College, thus encouraging friendly intercourse among them. The club is governed by an executive board, elected at the end of each year.

The Sandwich Club. The young men of the College interested in religious work are associated in an organization styled as above. Social meetings are held fortnightly, when luncheon is served, business attended to, and a prepared pro-

gram rendered. Prominent religious leaders are often present at these meetings to address students on the various phases of church work.

The Butler Press Club. The Butler Press Club is composed of young men interested in journalism, and is a member of the Indiana Association of Press Clubs. Its meetings are addressed by prominent newspaper men of the State.

Dramatic Club. The Dramatic Club, for men and women, has for its purpose the promotion of college dramatics.

Athletics. Various forms of athletics common in colleges are carried on at Butler College under the supervision of well-trained directors. The purpose is to give proper physical training to as large a proportion as possible of the student body, to enliven the college life with wholesome recreation, and to develop those manly qualities which are brought out in a good game well and fairly played. Baseball, football, basketball and track teams are supported by the Athletic Association. There is a board of control composed of two members of the faculty, one alumni member and two students.

Irwin field, adjoining the campus, affords facilities for all outdoor games.

Regular gymnastic work in the gymnasium is required of all students in the two lower classes, and is directed by a competent instructor. The campus is well equipped with tennis courts, to which students have access.

Intercollegiate Contests. No student is eligible to represent the College in any contest, (a) who is not carrying at least two major courses during the term in which such contest occurs; (b) who has failed to secure credits in at least two major courses during the preceding term (but this is not to exclude new students); (c) who fails to do his work during the current term to the satisfaction of his instructors; or (d) who enters College later than the third week of the term.

LOCATION AND BUILDINGS

Location. Indianapolis is not only the capital of the State, but its intellectual, literary, commercial and geographical center. Railroads radiating in every direction and the growing system of interurban electric cars make it the most easily accessible point in Indiana or any of the adjoining States. Indianapolis affords unique advantages as to location for a college. The best musical entertainments and the most noted lecturers are here brought within reach of the students. The College is located at Irvington, a pleasant and healthful residence suburb, reached by a twenty-minute ride on the East Washington street electric cars, which leave the center of the city every five minutes. Irvington is within the city limits of Indianapolis and is regarded as the most attractive place in the vicinity for suburban residence. Its population consists largely of those who have been drawn thither by educational inducements. This gives it a special character of cultivation and good order, while as a home for students it is singularly free from the temptations and dangers often surrounding college life. There are no drinking saloons in the vicinity.

Main College Building. The main college building is of brick, trimmed with stone, having a frontage of 135 feet and a depth of 75 feet, containing eighteen recitation rooms, besides the administrative offices, the College chapel, literary society and Y. M. C. A. halls, cloak and retiring rooms. It is heated throughout by steam, supplied with water and lighted by electricity, and in its internal finish and arrangements well suited to the purposes for which it was designed.

Science Hall. The Science hall is three stories high, constructed of brick and trimmed with stone. It has a frontage of 100 feet and a depth of 75 feet. It contains six large recitation rooms, the museum hall, the Athenæum hall, and the chem-

ical, physical and biological laboratories. The architecture is modern and attractive, and all its appointments are well adapted to the uses for which the building was designed.

The museum contains abundant material for illustrating the sciences of Zoology, Mineralogy and Geology. Some of the materials have been obtained by purchase, some have been contributed by the friends of the institution and some by the National Museum, while a considerable portion has been collected by the professors who have occupied the chairs in this department. The museum contains the following collections:

1. A series of fossils and rocks illustrating the geology of the Mississippi Valley, especially that of Indiana and Ohio.

2. A collection of fresh water fishes of the United States, made principally by Drs. David Starr Jordan and O. P. Hay, when they were professors of Biology in Butler College.

3. A series of marine fishes from the United States National Museum.

4. Reptiles and amphibians of Indiana, collected by Dr. Hay and others.

5. A large collection of representative minerals.

6. Land, fresh water and marine shells, including about four thousand specimens.

7. A considerable number of aboriginal stone implements from the United States.

8. A collection of marine invertebrates, mainly from the New England coast, deposited by Professor Bruner.

9. Marine invertebrates from the Atlantic, Gulf and Pacific coasts, presented by the National Museum and the Fish Commission.

The biological laboratory is well equipped and has its own working library. Additions are being constantly made to the apparatus and equipment of these laboratories.

The chemical laboratories are conveniently arranged and supplied with water, gas, hoods, means of ventilation, and ample apparatus and chemicals.

Bona Thompson Memorial Library. A library building equal in construction and equipment to any in the State was erected during the year 1903, by the liberality of the late Mr. and Mrs. E. C. Thompson, in memory of their daughter, Bona Thompson, who was a graduate of Butler in the class of 1897. The building is constructed of Bedford limestone and gray brick, and is of fireproof construction. It contains two commodious reading rooms, librarian's room and a seminar room. The book-stack room, filled with steel stacks, has a capacity of 60,000 volumes. The College library at present contains about 16,000 volumes, chosen with special reference to the needs of students, in addition to extensive files of valuable government reports and documents. Every year there are added by purchase the latest and best works in the several departments. The encyclopedias, lexicons and other works of reference are numerous, and represent the best and most modern scholarship.

By a special arrangement with the Indianapolis City Library Board, a free daily delivery of books from the city library to the College library has been established, so that students now have free and convenient access to libraries aggregating not less than 160,000 volumes. In addition to this the State Library, containing 53,400 volumes and located in the State House, is open to students, who will find it valuable for special research.

The reading room receives regularly the best publications, weeklies, monthlies and quarterlies of this country and Europe. The advantages of the library and reading room are open alike to all classes of students in the College.

Astronomical Observatory. The astronomical observatory stands on the high ground in the northeast corner of the campus. In its construction are embodied whatever conveniences are necessary for the efficient use of the equatorial telescope. The building is octagonal, resting on a deep foundation and having a revolving dome, with sliding panel giving unobstructed sky-view from horizon to zenith. The instrument rests on a pedestal, which stands on a column of brick and stone, protected from

the effects of external temperature changes by a detached inclosing cylinder of the same material. The telescope is equatorially mounted by Fauth & Co., of Washington, with the usual adjuncts of declination and hour circles, and clock-work for diurnal rotation. The object glass of six inches diameter was made by the firm of Alvin Clark & Sons, of Boston, and, with the half-dozen eye-pieces, gives a perfection of work which does no discredit to the manufacturers. The focal distance of the object glass is eight feet, and the magnifying power of the instrument ranges from seventy to five hundred diameters.

College

Residence.

This attractive and comfortable home for young women students is a substantially constructed brick building, located on the campus in close proximity to the lecture halls and laboratories. It is heated by steam and lighted by electricity, and is equipped with modern conveniences. The rooms contain all necessary furniture, but students provide their own bed linen, towels and toilet articles, and any decorations desired. The rooms are entirely cared for by competent maids.

The dining-room service is directly under the control of the College. All possible pains are taken to make the meals wholesome and attractive, and every effort is made to keep the service up to the standard of refined homes.

The Head of the Residence has general oversight of the young women living there. She will be glad to answer inquiries of parents concerning the progress of their daughters. The advantages of this home are offered to young women at lower rates than those at which approximately equal advantages may be obtained in private residences. The Residence is maintained solely for the accommodation of young women who, coming from a distance to attend the College, must find boarding places in Irvington; and all such are required to make their home there.

For special circular showing plan of building and giving detailed information about rooms, address the Head of the Residence.

Gymnasium. The gymnasium building, built of red brick and buff limestone, contains a main exercising hall thirty-five by fifty-eight feet, well ventilated and lighted, with double oak floor and high ceiling. There are bathrooms, with hot and cold water, lockers, and necessary accommodations for the students who use the gymnasium, and also for the athletic teams. Certain hours are set apart for the use of the gymnasium by the young women.

The power house, containing the electric lighting plant and the furnaces and boilers by which all the College buildings are heated, is externally a part of the gymnasium building, but is in reality a separate structure.

EXPENSES AND PRIZES

The College year consists of three terms of twelve weeks each. The fees payable to the College on account of instruction, library and incidentals, exclusive of laboratory fees, amount to \$16.00 per term for three or for two subjects. For a single subject \$9.00 will be charged. Students undertaking a fourth subject of study will pay \$5.00, in addition to the regular fee, for a major course, or \$2.50 for a minor. In addition the following extra charges are made: Special student, \$3.00 (except as provided on page 33). In the departments of Biology, Chemistry and Physics, laboratory fees, ranging from \$1.50 to \$4.00, to cover cost of materials used and ordinary wear on apparatus. Students are required to pay for apparatus broken or injured. For a special examination a fee of \$1.00 is charged. For each day's delay in registering after the date appointed (see College Calendar, page 3), a fee of \$1.00 is charged; the total, however, is not to exceed \$3.00. For a change of registration, after a registration card has once been issued, a fee of \$1.00 is charged. For the Bachelor of Arts' diploma a fee of \$5.00 is charged; for the Master of Arts' diploma, \$10.00. Graduating fees must be paid before the conferral of degrees.

Term bills must be paid at the beginning of each term. In case of the absence of a student for half or more than half of the term, one-half of the fee paid by him for that term may be credited on a future term.

Expenses of Following are estimates of yearly expenses for
Residence. the session of thirty-six weeks:

	Lowest	Average	Liberal
Fees	\$ 48.00	\$ 48.00 (with Lab.)	\$ 57.00
Room	27.00	36.00	54.00
Board	72.00	126.00	126.00
Books	10.00	15.00	20.00
	<u>\$157.00</u>	<u>\$225.00</u>	<u>\$257.00</u>

The above "average" and "liberal" estimates for board and room are based on the rates charged at the College Residence,

where rooms may be obtained by young ladies at prices ranging from \$9 to \$18 per term of twelve weeks, and table board is furnished at \$42 per term. Room rent at the Residence is payable in advance at the beginning of the term, and no rebate is allowed if the room is vacated before the end of the term. Board bills for the term are payable in three equal installments. No reduction is made for occasional absences.

Board and rooms may be obtained in private families at somewhat higher rates. Students who feel it necessary to curtail expenses as much as possible will find rooms to let at lower rates, with facilities for independent housekeeping, or opportunity for the formation of clubs.

Aid and Self-Support. While the College can not guarantee employment to students desiring to earn their way, its officers will gladly do all within their power to assist students in securing profitable employment. In a city of the size of Indianapolis there is always work to be done, and a student who is energetic, determined and self-reliant need have no fear but that he can earn enough to meet either part or all of his expenses.

Ministerial students will find here exceptional facilities for self-support, owing to the location of the College at the center from which railways and interurban electric lines radiate to all parts of the State, and the large number of churches within a convenient distance which depend upon student preaching. The College always has more calls for preachers than it can supply.

Prizes. Prize medals, through the generosity of the Hon. Addison C. Harris, have been provided to be given to the orator and the debaters representing Butler College in intercollegiate contests.

REGISTRATION AND ENTRANCE

Butler College offers its advantages to the following classes of students:

Regular College Students. (For requirements for admission and graduation, see pages 28-39.)

Special Students, not candidates for a degree. (See page 33.)

Ministerial Students, who may be either graduates or special students.

Graduate Students, who must have the baccalaureate degree from Butler College, or some institution of similar rank, and who may become candidates for the degree of Master of Arts. (See page 37.)

Art Students, who may or may not be doing academic work also. (See page 75.)

Students in the Extension Courses, who attend weekly classes held in a central location in Indianapolis, and who may or may not be candidates for a degree. (See page 84.)

Normal Students, who are qualifying for the teaching profession under the State law.

Classification. Students are not classified on the records of the College except as above indicated. Their names are printed in the catalog in alphabetical order.

Registration. The office hours of members of the faculty on days appointed for registration (see College Calendar), are 9 to 12 a. m. and 2 to 4 p. m. Applicants in order to secure prompt attention should present themselves on the days and at the hours designated.

New students should send their credentials to the examiner at least three weeks before the opening of the term. They will then receive, on the day of registration, statements of the credits granted. On presentation of these to the adviser, they

will be assigned to their classes. Old students will go at once to the adviser for assignment to classes.

The penalty for late registration is \$1.00 for each day's delay until the total shall amount to \$3.00. Each change of registration, unless necessitated by action of the faculty, is subject to a penalty of \$1.00.

REQUIREMENTS FOR ADMISSION

Preparation for admission to the Freshman class is expected to cover a period of four years in a good high school or academy. Admission credits are reckoned in units. A *unit* is the equivalent of a course of study extending through one full year of not less than thirty-two weeks, and occupying five hours of recitation per week. Two hours of laboratory work are regarded as equivalent to one hour of prepared work. No fractional units are credited except as here indicated. Fifteen units are required for entrance to Freshman class. Of this number $5\frac{1}{2}$ are definitely prescribed, 5 are to be chosen from certain specified groups, and $4\frac{1}{2}$ are elective.

Graduates of commissioned high schools in Indiana and of high schools of similar grade in other States are admitted to the Freshman class without examination, but such admission does not excuse them from making good any of the entrance requirements which are not covered by the high school credits. These high school credits are accepted only in the subjects and to the amounts named in Groups I-IV below. No high school graduate will be admitted who presents less than ten units in the subjects named in these groups.

All other candidates for admission will receive from the examiner statements showing the maximum credits which may be granted. If these are sufficient to permit the student to enter, he may do so provisionally, receiving entrance credit for those subjects after completion of seven college majors in such manner as to satisfy the faculty that he is entitled to such entrance credit. The faculty, in the mean time, reserves the right to modify the first estimate of the amount of possible entrance credit.

Students who expect to enter without examination should present specific statements of the work that has been done—not simply diplomas from high schools or academies. Blanks prepared for this purpose will be furnished on application. Certifi-

cates, upon which entrance credits are to be granted, must be signed by the principal of the school in which the work was done. They should contain detailed statements not only of the time spent in each subject—but also of the amount of work covered (*e. g.*, four books of Cæsar), including the time spent in laboratory work in science in addition to classroom work.

Required:

English	3	units.
Mathematics	2½	units.
Foreign Language (from Group I).....	3	units.
History (from Group II).....	1	unit.
Science (from Group III).....	1	unit.

Elective:

From Groups I-IV.....	4½	units.
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Total	15	units.
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The required work in English (3 units) is equivalent to the usual three years of English, including composition, rhetoric and literature, as taught in good high schools. Candidates who present a fourth year of English may receive credit for it as an elective. (See Group IV below.)

The required work in Mathematics (2½ units, as above) includes algebra to quadratic equations (1 unit), quadratic equations (½ unit) and plane geometry (1 unit). Candidates who offer more than the minimum requirement in Mathematics may receive credit for it as an elective. (See Group IV.)

The groups from which the required work in foreign language, history and science must be chosen are as follow:

GROUP I.

Foreign Language.

Latin 1.	Beginning course and Cæsar, 4 books	2	units.
Latin 2.	Cicero, 6 orations, or Cicero, 4 orations and Vergil, 2 books	1	unit.
Latin 3.	Vergil, 5 books.....	1	unit.
Latin 4.	Tacitus	½	unit.

Latin 5.	Livy	½ unit.
Greek 1.	Beginning course and Anabasis, Book I.....	1 unit.
Greek 2.	Anabasis II—IV, with prose composition, and Homer's Iliad, Books I—II.....	1 unit.
Greek 3.	Plato, Herodotus, or equivalent authors	1 unit.
German 1.	Beginning course	1 unit.
German 2.	Second year	1 unit.
German 3.	Third year	1 unit.
French 1.	Beginning course.....	1 unit.
French 2.	Second year	1 unit.
French 3.	Third year	1 unit.
Spanish 1.	Beginning course.....	1 unit.

NOTE.—At least three units must be offered from this group, and at least two of these must be in one language.

For every unit of language work offered for entrance in excess of the minimum requirement of three units, the candidate will be excused from one year of the required language work in College.

GROUP II.

History and Civics.

General History	1 unit.
Ancient History	½ or 1 unit.
Medieval History	½ or 1 unit.
Modern History	½ or 1 unit.
English History	½ unit.
United States History.....	½ or 1 unit.
Civics	½ unit.
Economics	½ unit.

NOTE.—Credit will not be given for both General History and Ancient History. Credit will not be given for both Civics and Economics unless one unit of History is also offered. Not more than 3 units in all will be accepted from this group.

GROUP III.

Natural Science.

Physics	1 unit.
Chemistry	1 unit.

Botany	$\frac{1}{2}$ or 1 unit.
Zoology	1 unit.
General Biology	1 unit.
Physiology	$\frac{1}{2}$ unit.
Physical Geography	$\frac{1}{2}$ unit.
Geology	$\frac{1}{2}$ unit.
Astronomy	$\frac{1}{2}$ unit.

NOTE.—Not more than 4 units in all will be accepted from this group.

GROUP IV.

Unclassified.

English 4.	(First half of fourth year High School English).	$\frac{1}{2}$ unit.
English 5.	(Second half of fourth year High School English).	$\frac{1}{2}$ unit.
Mathematics 4.	Solid Geometry	$\frac{1}{2}$ unit.
Mathematics 5.	Trigonometry	$\frac{1}{2}$ unit.
Mathematics 6.	College Algebra	$\frac{1}{2}$ unit.
Commercial Geography		$\frac{1}{2}$ unit.
Mechanical Drawing		$\frac{1}{2}$ or 1 unit.
Free-hand Drawing		$\frac{1}{2}$ or 1 unit.

Not more than one unit of Drawing will be accepted.

NOTE.—None of the courses in this group is required for entrance, but they may be offered among the $4\frac{1}{2}$ units of electives which must be presented.

Conditioned Students. If a student is conditioned in any admission subjects, he must begin at once to make up his deficiencies, those in *required* subjects being taken first, and precedence being given at all times to those courses which may be offered in lieu of the deficiencies.

If the conditioned student is deficient in subjects in which instruction is offered by the College, he must elect from the courses offered by the College a sufficient number of courses which may be offered for entrance, to make good the deficiency. In this case, 2 majors of college work will be accepted as equivalent to 1 unit of preparatory work. But Greek 1, 2, 3; German

1, 2, 3; French 1, 2, 3; and three majors of natural science, unless a unit of natural science shall have been offered on admission, will be accepted only on the basis of 3 majors for 1 unit of entrance work, and English A will be credited for admission only according to the judgment of the instructor in charge. If the conditioned student is deficient in subjects in which the College offers no instruction, such deficiencies may be made up under approved tutors or in a high school of Indianapolis.

Special On account of the development of good high
Announcement. schools almost everywhere, the College has discontinued its preparatory department,

Advanced Students coming from *high schools* or other sec-
Standing. ondary schools, and presenting credits in excess of those required to fulfill the entrance requirements, may, in certain departments, secure college credit for the work by passing an examination in it; or, at the discretion of the faculty, such students may receive college credit for this work on the completion of at least seven college majors in such manner as to satisfy the faculty that they are entitled to such credit. The following limitations will, however, be observed:

1. In no case will a preparatory unit be accepted for more than two college majors. (A major is a five-hour course for twelve weeks.)

2. Where three units from Group II (History) have been presented for entrance, no college credit will be granted for additional work in that group.

3. Where four units from Group III (Science) have been presented for entrance, no college credit will be granted for additional work in that group.

4. No more than a total of nine college majors will in any case be credited on the basis of work in a high school or other secondary school, even in cases where "postgraduate" high school work has been done.

5. Only in the following subjects may college credit be obtained, and to the maximum amount indicated in each case:

English	2 majors.	Mathematics	3 majors.
Latin	4 majors.	Physics	2 majors.
Greek	4 majors.	Chemistry	2 majors.
German	6 majors.	Botany	2 majors.
French	6 majors.	History	2 majors.
Spanish	2 majors.		

Students coming from other colleges or universities may receive advanced standing upon presentation of statements of the work which they have done. These statements should include (a) an officially signed statement certifying to the college credits that have been earned, and (b) a statement of the work which was done in satisfaction of entrance requirements. Such statements should indicate the subjects studied, ground covered, number of weeks and number of hours of recitation per week. In the case of students coming from colleges whose entrance requirements are less than those of Butler College, a sufficient number of college credits will be applied to make good the deficiency in preparatory credits.

To receive credit toward advanced standing, application must be made to the examiner at the time of matriculation, or earlier. It is desirable that candidates for advanced standing should forward their statements of work before presenting themselves for entrance. No student from another college will be admitted except upon presentation of a certificate of honorable dismissal.

Special Students. Any person, not a candidate for a degree, may be admitted as a special student and allowed to pursue a special course of study under the following conditions:

1. If under 21 years of age, the applicant must satisfy the requirements for admission to the College to the same extent as regular students, and must pay a fee of \$3.00 a term in addition to the fee paid by regular students.

2. If over 21 years of age, the applicant may be admitted, without examination and without extra fee, provided he gives

evidence to the adviser that he possesses the requisite information and ability to pursue profitably the chosen courses.

3. Only persons having a definite end in view, approved by the President, will be accepted as special students, and no applicant for a special course will be admitted unless urgent need of such course shall appear.

4. No regular student who fails in his work will be allowed to become a special student until he has made good his failures.

5. Special students are subject to the same regulations as regular students with regard to the amount and quality of work performed, and attendance at recitations and examinations. The faculty may at any time deprive any special student of his privileges if it appears that he is abusing or neglecting them.

REQUIREMENTS FOR GRADUATION

The plan of study offered to the student in the requirements for graduation is an attempt to combine the essentials of general culture, which is the prime object of the undergraduate college course, with an opportunity for development along the lines of the student's natural interest, and preparation for university and professional study.

The normal length of time required for the college course is four years, but students who have the necessary ability and industry can complete it within three calendar years.

In addition to the entrance units (see pages 28 sq.), there are required for graduation thirty-six majors of class instruction and two majors of physical culture.

A *major* is the equivalent of five hours' classroom work each week for a term of twelve weeks. Where laboratory work is carried on, two to three hours in the laboratory are equivalent to one hour in the classroom. In some of the more advanced courses, where much private work may profitably be laid out for the student, the number of hours each week which shall be equivalent to a major, may be determined by the instructor. A *minor* is a course of two or three hours a week for twelve weeks.

These courses are elective under the following conditions:

1. Students, as a rule, will assume work to the total value of three majors each term. No student may take fewer than three major courses without the special consent of the President, given on recommendation of the adviser. If a student's average grade for the term next preceding shall have been as high as 80, he may take work to the aggregate value of four majors. But in no case may he take more than this amount during any one term. A fee of \$5.00 will be charged for an additional major course, or of \$2.50 for each additional minor course in excess of three majors. These restrictions do not apply to courses in physical

training. In any case, the courses chosen must not conflict in times of recitation, and all work, to receive credit, must be done in class.

2. REQUIRED SUBJECTS.—(a) Students offering the minimum (three entrance units) of language work (Group I) for entrance, must elect nine majors of foreign language in college. For every additional language unit offered for entrance, three majors may be deducted from the nine required in college. Thus a student who presents four units of language for entrance will take six majors in college. One who presents five units will take three majors. One who presents six units is entirely relieved from the college language requirement. In any case, however, the total required work in foreign language for entrance and in college (six years' work in all) must not be divided between less than two or more than three languages, and must include at least three years' work in some one language.

(b) Students who present less than two units of physical science (Group III) for entrance, must elect three majors in a laboratory science not offered for admission.

At least six majors in the subjects thus required must be taken during the first year of residence, and the remainder during the second year. Students entering with advanced standing must begin at once to meet these requirements.

3. At least nine major courses must be taken in one department, or twelve in closely related departments. In the latter case, six majors must be taken in one department and the remainder in subjects approved by that department.

4. Not more than twelve majors may be taken in any one department. During the first two years, not more than one major course each term may be taken in one department.

5. The following courses (unless taken to meet entrance requirements) will have the value of one minor each to students who are credited with 26 majors: Latin A, 1, 2, 3; Greek 1, 2,

3; German 1, 2, 3; French 1, 2, 3; English 1, 2, 3; Mathematics 1, 2, 3.

6. Not more than six majors may be credited from the courses offered by the Divinity School, and the student may not offer those courses which are indicated as not to be credited toward the A. B. degree. But three majors in Biblical Literature in English may be offered in addition to these six. Students presenting advanced theological credits from other institutions will be similarly restricted as to amount and character of work to be accepted.

In making his choice the student must observe any restrictions and prerequisites that may be attached to the particular courses he wishes to select. All courses must be selected in consultation with the adviser.

Any student coming from another institution is required to take at least the last nine major courses in residence at this College before receiving the degree.

Upon the satisfactory completion of the aggregate requirements as here given, and the payment of the graduation fee (see page 24), the student is entitled to receive the degree of Bachelor of Arts.

Graduate Students. The College confers the degree of Master of Arts on applicants holding the corresponding baccalaureate degree. In case the applicant's undergraduate work has been done at another college, he is required to show that such work is fully equivalent to that required for the baccalaureate degree at this College. Applicants who have not completed the necessary amount of work must make up their deficiencies by taking the required courses for which they do not present equivalents, and elective courses sufficient to complete thirty-six credits, before they will be admitted to candidacy for the second degree.

The degree of Master of Arts is not conferred except for res-

ident work, and credit toward it can be given only for work done under the direction of the College. The degree is given only to those applicants whose work and thesis show them to have the required proficiency in the subject chosen, and is not guaranteed at the end of any definite period of work. It is conferred subject to the following conditions:

The applicant must satisfactorily complete nine major courses, part or all of which may be selected in the Divinity School, and present a satisfactory thesis in his leading subject. The leading subject shall consist of three major courses of advanced work taken consecutively in one line of study. The work of candidates for the Master of Arts degree may consist (a) of subjects especially assigned to individual students, and (b) of lines of study to be selected, under the direction of the faculty, from advanced undergraduate elective work. No required undergraduate courses, and none of the courses specified in Rule 5, page 36, will be credited for the degree of Master of Arts. In addition to the ordinary term examinations, the candidate's qualifications for the degree are tested by an oral examination in the work which he has taken.

No work done by a student while yet an undergraduate shall be allowed to count toward fulfilling the requirements of a graduate course; but students who finish their undergraduate work before the close of the college year may begin their graduate work at once without waiting for the conferring of the Bachelor of Arts degree. Graduate students are subject to the same regulations regarding number of subjects to be taken as undergraduate students. In all cases the work of candidates for the degree of Master of Arts is subject to the approval of the faculty committee on graduate work, and to this committee all proposed graduate work must first be submitted. A typewritten copy of the thesis upon the regulation paper must be deposited in the library, and the graduation fee paid (see page 24), before the degree will be granted.

Examinations. Examinations in all courses of study are held at the close of each quarter in the same order as the regular recitations. Students are graded in each study pursued during the quarter. A student failing in any subject must make such failure good within a period of one year, in order to receive credit for the course. Absence from examinations counts as failure. A student taking an examination at a time other than that appointed for his class must first pay to the treasurer, for the benefit of the library fund, the sum of one dollar.

Quarterly Reports. As soon as possible after the quarterly examinations, a report of the attendance and proficiency of each student is prepared and sent to his parent or guardian, who is earnestly requested to give such report careful attention, or to notify the secretary of any failure to receive it. These reports should be preserved.

Students are graded on a scale of 100 as follows: 60 is passing grade; and 80 indicates a good degree of excellence.

The term report made at the close of the Spring term will indicate, also, the student's arrears (if any) in entrance requirements and prescribed work, and will give the number of credits toward graduation due him, thus showing his classification for the beginning of the following year.

COURSES OF INSTRUCTION

When an announced course has not been applied for by at least three students, candidates for a degree, the instructor shall be at liberty to withdraw the course.

Class exercises are daily, from Tuesday to Saturday inclusive, unless otherwise indicated in statement of courses.

The week-holiday is Monday.

All courses are majors unless otherwise indicated.

Bracketed courses will not be offered in 1910-'11.

LATIN.

ACTING PROFESSOR GELSTON.

General Statement. In the Latin work of the first college year (courses 1, 2, 3) the especial aim is to develop the student's grasp of the language. To that end there is much insistence on vocabulary practice and oral reading, as well as upon accurate and finished translation. The advanced courses, which are either continuous or supplementary to one another, seek primarily to foster real appreciation of Roman literature for its own sake.

Courses.

1. LIVY: Books I and XXI. Selections from other books. Special study of the regal period of Roman history. Grammatical review. Sight translation. *Fall, 11:30.*
2. TACITUS: Agricola and Germania. Illustrative passages from other writings of Tacitus. These works are read with detailed reference to their historical and literary value. *Winter, 11:30.*

3. HORACE: Odes and Epodes. Intensive study of specimen odes. Rapid translation of other poems. Analysis of the versification. Oral reading. Literary criticism.
Spring, 11:30.
4. HORACE: Satires and Epistles. Designed to complete the study of Horace begun in course 3. *Fall, 10:30.*
5. CATULLUS, TIBULLUS AND PROPERTIUS: Aims and methods as in course 3. *Winter, 10:30.*
6. PLAUTUS: Captivi and Trinummus. Sight translation from other plays. Metrical analysis. Oral reading.
Spring, 10:30.
7. LUCRETIVS: De Rerum Natura. Reading and translation of selected passages. Collateral study of Epicureanism and related philosophical systems among the Romans. *Fall, 9:00.*
8. CICERO: De Natura Deorum. Designed to continue the study of Roman philosophical writing begun in course 7.
Winter, 9:00.
9. TEACHERS' COURSE. Brief survey of Latin grammar with reference to teaching. Discussion of other matters relating to secondary school instruction. This course is adapted to the needs of students who elect it, and a literary subject will be substituted if desired. *Spring, 9:00.*

GREEK.

ACTING PROFESSOR GELSTON (in charge).

General Statement. In this department the ultimate aim is a broad and at the same time accurate knowledge of the subjects undertaken. Students are encouraged to work toward appreciation of Greek for its own sake and toward facility in

the use of Greek texts as original sources. In the elementary course the instructor gives particular attention to the needs of beginners, assisting them to cover rapidly as college students the work commonly done through a more extended period in preparatory schools. The advanced courses are designed, as far as possible, to continue or supplement one another.

Courses 1, 2, 3 are continuous and all must be taken if credit in any one of them is desired.

For students credited with 26 majors or more, courses 1, 2, 3 have the value of one minor each.

Courses.

- 1, 2, 3. ELEMENTARY GREEK. Special effort is made with mature students to prepare them in one year for subsequent courses in classical Greek, or the New Testament. White's First Greek Book. Xenophon's Anabasis.

Fall, Winter, Spring, 10:30.

4. PLATO: Apology of Socrates and Crito. Selections from other dialogues. Greek syntax and prose composition. Sight reading in Xenophon's Memorabilia. *Fall, 9:00.*

5. INTRODUCTION TO GREEK ORATORY: Selected orations of Lysias. Sight translation. *Winter, 9:00.*

6. INTRODUCTORY STUDY OF THE GREEK DRAMA: The Prometheus Bound of Aeschylus and Iphigenia among the Taurians of Euripides. Collateral study of the Greek theater and presentation of the dramas. *Spring, 9:00.*

7. HOMER: Selected books of the Iliad. Object, genuine literary appreciation of the Homeric poems. Special reference to Mycenæan archeology and the Homeric question.

Fall, 8:00.

8. LUCIAN: The Dream, Charon, Sale of Lives, Peregrinus. Sight translation of representative dialogues with a view to gaining as comprehensive a view as possible of Lucian's writings. *Winter, 8:00.*

9. **AESCHYLUS:** The Agamemnon and other dramas.

Spring, 8:00.

- [10. **MODERN GREEK:** Grammar, short stories and poetry.]

11. **GREEK LITERATURE IN ENGLISH:** A general survey of Greek literature. Homer and the dramatists are read in translation. Lectures by the instructor. Reports on assigned topics by members of the class.

Spring, 11:30 (provisional.)

GERMAN.

PROFESSOR DANTON.

General Statement. The College library is sufficient for very satisfactory study of German literature, and includes a complete set of Kuerschner's Deutsche National-Literatur, comprising over 200 volumes.

Courses in Gothic and Old High German may be arranged with the instructor by advanced students.

Courses 1, 2, 3 are continuous, and all must be taken in order to receive credit.

To students credited with 26 majors or more, courses 1, 2, 3 have the value of one minor each.

Courses.

1, 2, 3 form a continuous course in beginning German for college students. The first few weeks are devoted to acquiring a sufficient knowledge of the grammatical forms to enable the student to begin reading easy prose. The remainder of the course consists of exercises in translating from German into English, from English into German, and in a more thorough study of the grammar. *Fall, Winter, Spring, 2:00.*

4. Reading of selected prose works. Exercises in Poll's Composition and von Jagemann's Syntax twice each week. Prerequisite, courses 1, 2, 3, or equivalent. *Fall, 8:00.*

5. SCHILLER: The course begins with the reading of Schiller's Thirty Years' War. This is followed by Wallenstein's Lager and Die Piccolomini. Lectures and collateral reading on the life and works of Schiller. Composition as in course 4 continued. *Winter, 8:00.*
6. SCHILLER: Reading of Wallenstein's Tod and one other of Schiller's dramas; or, selections from the author's Gedichte on the basis of von Klenze's Deutsche Gedichte. Lectures and collateral reading on the works studied. Composition as in course 5. *Spring, 8:00.*
7. GOETHE: Reading of Goetz von Berlichingen and Egmont, together with the study of the author's life and works by means of lectures and assigned reading. Composition exercises and German theme writing. *Fall, 9:00.*
8. GOETHE: This course consists in reading in class Dichtung und Wahrheit; also written studies of other works of the author are required from the members of the class. Exercises in writing German. *Winter, 9:00.*
9. FAUST: Reading of Part I and parts of Part II. A study of the Faust Legend and of the origin and development of Goethe's Faust. Thomas's Faust is used as a text-book. Exercises in writing German. *Spring, 9:00.*
- [10. THE ROMANTIC MOVEMENT: A study of the Romantic Movement in Germany by means of lectures and assigned reading. Members of the class are required to prepare written studies of the works of those authors treated in the lectures. *Fall.]*
- [11. THE MODERN GERMAN DRAMA: Selected works of the most important modern dramatists are read in class. Lectures on the history of the drama. Theses prepared by the class on assigned reading. *Winter.]*

- [12. THE GERMAN NOVEL: The history of the German novel is treated in lectures, and novels are read in class. Much collateral reading of German fiction is done and reports are required on the works thus read. *Spring.*]
13. HISTORY OF GERMAN LITERATURE: This course consists of lectures on the early periods of German literature down to the time of Luther. References to the usual histories of the literature and to the works of the authors considered. Assigned reading and reports. *Fall, 8:00.*
14. HISTORY OF GERMAN LITERATURE continued: This course deals with the literature from the rise of Luther to the beginning of the Eighteenth Century, and includes a treatment of the origin and early history of both the novel and the drama in Germany. Collateral reading and reports. *Winter, 8:00.*
15. HISTORY OF GERMAN LITERATURE concluded. The literature of the Eighteenth and early Nineteenth Centuries is studied. Collateral reading and reports. *Spring, 8:00.*

NOTE.—Courses 10, 11, 12 alternate with courses 13, 14, 15, and the student must have taken at least the equivalent of courses 4, 5, 6, 7, 8, 9 to be admitted to them.

ROMANCE LANGUAGES.

ASSISTANT PROFESSOR GREENE.

General Statement. In French a course extending over three years is offered, and the work is intended primarily for college students already trained to college study. However, for the third year French different courses are offered in alternate years, so that a student may obtain credit for four years' work in French. In 1910-'11 courses 10, 11, 12 will be given.

To students credited with 26 or more majors, courses 1, 2, 3 will have the value of only one minor each.

Courses in French.

- 1, 2, 3. ELEMENTARY FRENCH: Fraser and Squair's Grammar. Easy texts, such as "Le Voyage de M. Perrichon" and "L'Abbe Constantin." Constant practice in composition.
Fall, Winter, Spring, 9:00.
4. MODERN FRENCH SHORT STORIES: Reading from characteristic short-story writers. Composition continued. *Fall, 8:00.*
5. THE FRENCH NOVEL: Illustrative novels, with composition based on texts read. *Winter, 8:00.*
6. MODERN FRENCH DRAMA: Victor Hugo, "Ruy Blas;" Scribe, "Bataille des Dames;" Augier, "Le Gendre de M. Poirier;" Rostand, "Les Romanesques." *Spring, 8:00.*
- [7. THE CLASSICAL DRAMA OF THE SEVENTEENTH CENTURY: Representative works of Moliere, Corneille and Racine.]
- [8. THE FRENCH NOVEL: The reading done in this course is more rapid than in course 5. Besides the work done in class, one or two novels will be read outside, and reports made upon this assigned reading.]
- [9. Novel work continued, and a study of Modern French Lyric Poetry.]
10. LITERATURE OF EIGHTEENTH CENTURY: Le Sage, "Gil Blas;" selections from Voltaire; Saint-Pierre, "Paul et Virginie;" La Fontaine, Fables.
- 11, 12. LITERATURE OF NINETEENTH CENTURY: Reading of representative authors. Pellissier's "Le Mouvement Litteraire au XIXme Siecle" used as guide.
- [13. The modern short story in French, German and English. The work of representative short-story writers in the three languages will be studied, and there will be discussion of the general methods of short-story writing.]

This course may be counted toward a major in French, German or English. It is open to students who have taken one year of French and two years of German, or to any others who can satisfy the instructor of their ability to read French and German easily. Permission to take the course must be obtained before registering for it.

ENGLISH.

PROFESSOR KENYON.

MISS GRAYDON.

MISS ALLEN.

General Statement. The Department of English contemplates a three-fold object:

1. Practice in English composition.
2. A knowledge of our own language.
3. Independent ability to read and appreciate English literature.

Courses.

A, B, C. **SPECIAL COURSE:** A course, continuing throughout the year, intended to meet the needs of students who are conditioned in entrance English and of those whose work in college courses indicates insufficient preparatory training. College credit for this course is at the discretion of the department.

Fall, Winter, Spring, 10:30.

1a, 2a, 3a. **FRESHMAN ENGLISH:** English Literature and Composition; a general survey of English literature, together with daily and fortnightly themes. Three majors.

Fall, Winter, Spring, 9:00.

1b, 2b, 3b. **FRESHMAN ENGLISH:** Second division.

Fall, Winter, Spring, 10:30.

[17. SHAKESPEARE. Compare course 18, which is given in 1910-'11.]

18. SHAKESPEARE: A careful reading of selected plays, with attention to anything that bears on their interpretation. This course alternates with 17, and both may be taken, as different plays are read in each course. Prerequisite, English 1, 2, 3. 17 or 18 is prerequisite to 15.

PROFESSOR KENYON.

Fall, 9:00.

15. THE DEVELOPMENT OF SHAKESPEARE AS A DRAMATIST: A brief study of the growth of the drama up to Shakespeare, followed by a reading of many of Shakespeare's plays with study of their technique. Prerequisite, English 17 or 18.

PROFESSOR KENYON.

Winter, 9:00.

16. SELECTIONS FROM NINETEENTH CENTURY LITERATURE: A study, as minute as time allows, of important pieces of prose and poetry from Wordsworth to the present time. Prerequisite, English 1, 2, 3.

PROFESSOR KENYON.

Spring, 9:00.

- [13. MASTERPIECES OF ENGLISH PROSE: This course consists of a study of several of the best pieces of prose from Lyly to the present time. Attention will be given both to style and subject matter. Prerequisite, four majors in English. PROFESSOR KENYON.]

- [14. THE ENGLISH NOVEL: This course is a study of representative Nineteenth Century novels. Prerequisite, four majors in English. PROFESSOR KENYON.]

- 10, 11, 12. THE TYPES OF ENGLISH LITERATURE AND THE HISTORY OF THE ENGLISH LANGUAGE: Some of the aims of this course are to provide for the discipline and culture long recognized in the study of other languages than our own; to cultivate a sense of idiom and of the logical relations and powers of English indispensable to any first-hand appreciation of the great writers; to acquire historical perspective in the study of English literature; and to gain some intimate acquaintance with the great early masterpieces. The readings are selected to

illustrate lectures throughout the year on the development and characteristics of various types of modern literature. The first term is given to a study of Old and Middle English grammar and to reading of prose and poetry, with study of metres and style; the second and third terms to a study of Chaucer and other Middle English writers. In 1910-'11 many authors will be read in recently available modernized texts. Students preparing to teach English, especially those who do their major work in English, are expected to take this course. Prerequisite, English 1, 2, 3.

PROFESSOR KENYON.

Fall, Winter, Spring, 11:30.

7, 8, 9. THE ENGLISH DRAMA: This course is continuous throughout the year. The English Drama is studied as an expression of social conditions and a distinct art, without neglect of its characteristics as a form of literature. Lectures and interpretation are given by the instructor, while an intensive study of typical plays is made by the student. Prerequisite, five majors of English.

MISS GRAYDON.

Fall, Winter, Spring, 9:00.

20, 21, 22. AMERICAN LITERATURE: This course is continuous throughout the year. It will be so divided as to be open each term to new students who have completed English 1, 2, 3 or the equivalent.

MISS GRAYDON,

Fall, Winter, Spring, 10:30

PHILOSOPHY AND EDUCATION.

PROFESSOR HOLLANDS.

General Statement. The main purpose of the work in Philosophy is to put the student in possession of a way of looking at things which will help him to interpret both his own experience, and the larger problems which enter into the intellectual life of the time. To this end emphasis is put throughout upon the psychological standpoint.

The courses in Education will be transferred to the Department of Education when that department is organized.

Courses in Philosophy.

- 1a, 1b. **PSYCHOLOGY—ELEMENTARY COURSE:** It is the purpose of this course to acquaint the student with the scope and method of the science, the nature and activities of the mind, and the laws and processes of mental development. Prerequisite, nine college majors. *Fall, Winter, 10:30.*
- 2-3. **LOGIC AND ETHICS:** The two courses are separate in subject matter, and will be given on alternate days. Prerequisite, Philosophy 1. *Spring, 10:30.*
- [4. **PHILOSOPHY OF RELIGION:** A discussion of the fundamental problems of philosophy from the standpoint of the religious conception of the world. *Fall.]*
- 7, 8. **HISTORY OF PHILOSOPHY:** A study of the development of thought from the Greeks to Spencer, in its relation to the history and civilization of the times. Prerequisite, eighteen college majors. *Fall, Winter, 8:00.*
9. **ENGLISH THOUGHT IN THE NINETEENTH CENTURY:** The more important social, literary and philosophical tendencies will be examined in an untechnical way. Lectures and reports. *Spring, 8:00.*
- [10. **PLATO:** Reading and discussion of the more important Platonic dialogues.]

Courses In Education.

- [1a, 1b. **HISTORY OF EDUCATION.** Prerequisite for all courses in education, nine college majors. *Fall, Winter.]*
- [2. **CHILD STUDY.** *Spring.]*
3. **EDUCATIONAL METHODS.** *Fall, 3:00.*

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| 4. PRINCIPLES OF SECONDARY EDUCATION. | <i>Winter, 3:00.</i> |
| 5. SCHOOL ADMINISTRATION. | <i>Spring, 3:00.</i> |
| [6. PRINCIPLES OF EDUCATION. | <i>Fall.]</i> |
| [7. PRINCIPLES OF EDUCATION (continued.) | <i>Winter.]</i> |
| [8. EDUCATIONAL PSYCHOLOGY. | <i>Spring.]</i> |

ECONOMICS AND POLITICAL SCIENCE.

PROFESSOR PUTNAM.

General Statement. The introductory courses in this department are given every year. The advanced courses alternate and are intended to meet the needs of two classes of students. First, those preparing for commercial or financial careers or for the public service, and, secondly, those looking forward to graduate work in Economics, Political Science, or allied subjects. The courses in Political Science are also of especial significance as a preparation for the study of Law or Journalism.

Courses in Economics.

1. ECONOMIC HISTORY: An introduction to the study of the development of commerce and industry, with a somewhat detailed consideration of the causes of the Industrial Revolution and the nature of the industry of the present time. Prerequisite, credit for nine college majors. *Fall, 11:30.*
2. ECONOMICS: A thorough introduction is given to the subject. A text-book will be used, but the student will be expected to compare the views of various authorities on the more important topics. Prerequisite, credit for nine college majors. *Fall, 9:00.*
- [11. CORPORATIONS AND CORPORATION FINANCE: A study of the growth of large industries and the place and nature of pub-

lic service and industrial corporations and trusts in modern industrial society. Especial attention will be given to methods of financing such enterprises, to the character of their securities, and to their industrial effects.]

12. **MONEY AND BANKING:** The main interest in this course will be the nature and functions of currency (coin, note and deposit). The various experiments of the United States will be studied in the light of the leading theories of money. The main features of the banking system, the influence of banks on speculation, their management in financial crises, dangers and safeguards will be discussed. Prerequisite, course 2. *Winter, 9:00.*
13. **PUBLIC FINANCE:** Taxation will be the principal subject of this course. Leading theories of taxation, the methods employed in various countries, and the national, State and local systems of the United States will be examined. A less minute study will be made of the subjects of public debts and financial administration. Prerequisite, course 2. *Spring, 9:00.*
14. **TRANSPORTATION:** An outline course dealing with the more important principles and facts relating to railways, waterways, and the express, telegraph, telephone and postal services. The greater portion of the course, however, is given to the problems of railway transportation, including financing, consolidation, rate-making and regulation. Prerequisite, course 1 or course 2. *Winter, 11:30.*
- [15. **COMMERCE:** A brief survey of the geography of commerce, followed by a study of the economic significance of commerce; the mechanism of commerce, such as railways, banks, etc.; the character of international trade; tariff and colonial policies. Prerequisite, course 1. Must be followed by course 14.]

16. **PROBLEMS OF LABOR:** A study of the special problems and interests of wage earners, such as the organization and policies of trades-unions, employers' associations, arbitration, profit-sharing, factory acts and other forms of labor legislation. Prerequisite, course 1 or course 2 *Spring, 11:30.*
- [17, 18. **ADVANCED ECONOMICS:** A detailed study of economic theory. Value and Distribution will be the subjects taken up. The course is open only to those who have satisfactorily passed course 2. The course will continue through two terms and only those completing both terms' work will receive credit.]

Courses in Political Science.

1. **AMERICAN POLITICS:** A study of the national, State and local political institutions of the United States. Prerequisite, seven college majors. *Fall, 10:30.*
2. **PROBLEMS OF MUNICIPAL GOVERNMENT:** A comparative study of the charters and practical workings of the municipalities of Indianapolis, St. Louis, Chicago, New York, Glasgow, Birmingham, Manchester, London, Paris, Hamburg, Berlin. Particular attention will be paid problems in organization and administration and to methods of control of public works. Prerequisite, course 1. *Spring, 10:30.*
- [3. **CONSTITUTIONAL LAW:** A study of the leading principles of American constitutional law, based upon an examination of important cases. Prerequisite, course 1.]
- [4. **INTERNATIONAL LAW:** A study of the leading principles of international law and an examination of important cases illustrative of those principles. A number of recent cases in which the United States has been interested will receive particular attention. Prerequisite, courses 1 and 2.]

- [7. **GOVERNMENT OF DEPENDENCIES:** An examination of important systems of colonial and territorial government, such as those found in American territories, the British self-governing colonies, and various colonies inhabited by inferior races. Prerequisite, course 1.]
8. **EUROPEAN GOVERNMENTS:** A comparative study of the constitutional organization and practical working of the principal governments of Europe. Prerequisite, course 1 or its equivalent. *Winter, 10:30.*

SOCIOLOGY.

PROFESSOR FORREST.

General Statement. This department offers such introductory courses as are essential to a liberal education, and in addition to these, various more advanced courses which will furnish the student a broad foundation for professional studies or prepare him for graduate work in the social sciences.

The city of Indianapolis is the social laboratory of the department. While it does not present the complexity of phenomena to be found in some of the larger cities, it is large enough to furnish almost every factor of the most complicated social life; and, indeed, the simpler nature of the society, which yet contains all the elements of cosmopolitan municipal life, makes the city a more desirable field for certain kinds of social investigation than it would be if it were larger.

Courses.

- [3. **CHARITIES:** A study of the causes of poverty and methods of amelioration, especially those of a voluntary character. The department enjoys the hearty cooperation of the excellent Charity Organization Society of Indianapolis, and is thereby enabled to make a thorough study of the charities of the city. Students will make personal investigation of actual conditions found in the city. *Winter.]*

- [5. **ANTHROPOLOGY:** A study embracing both Anthropology, in the narrow sense, and Culture-History, intended to give a general understanding of the beginnings and earlier stages of social evolution. Such an examination of the method of social development serves as a basis for advanced historical, sociological and ethical investigation, and for the study of comparative religion. Prerequisite, credit for fifteen college majors.]
- [6. **SOCIAL HISTORY:** A study of the development of the main elements of modern civilization. The emphasis is laid on the inter-relation of the industrial and ethical lines of development. An investigation is made of the beginnings of civilization in antiquity, the transition from the Græco-Roman Empire to the medieval period, and the leading movements of the modern period. This course employs in the study of civilized peoples the same method that is used in the preceding course in the study of peoples of lower culture. Prerequisite, course 5.]
- [7. **CRIME AND CORRECTION:** A study of the social and individual causes of crime and of the various methods proposed for the protection of society and the reformation of the criminal. Students will visit the criminal courts and the penal and reformatory institutions of the vicinity. *Spring.*]
- [8. **GENERAL SOCIOLOGY:** This course attempts to reach a general view of social phenomena. It is based on the results of some of the recent writers on Social Psychology. Prerequisite, credit for fifteen college majors. *Fall.*]
- [9. **DEVELOPMENT OF SOCIAL PHILOSOPHY:** An examination of the principal attempts to interpret social phenomena, from Plato to Comte. Lectures, readings, reports.
- (a) A study of the social theories of the Greeks and Romans.
- (b) A study, continuous with the preceding, of the so-

cial theories of the Medieval and Renaissance periods. Prerequisite, course 8.]

- [10. **CONTEMPORARY SOCIAL PHILOSOPHY:** An examination of the principal sociological contributions since Auguste Comte, with especial emphasis upon the work of living writers. This course is intended to be an introduction to general sociology, since it takes up most of the important attempts to interpret society. Prerequisite, course 9.]
- [20. **SOCIAL FORCES IN ENGLISH ROMANTICISM:** This course deals with the English Romantic movement from a social and literary point of view. The former phase of work is considered in lectures on the different social and political forces in the literature at that time; the latter side of the work consists chiefly of a study, more or less minute, of the prominent authors of the Romantic movement.]

HISTORY.

PROFESSOR COLEMAN.

General Statement. The plan of the courses in History provides for two outline courses in the history of European civilization, to be followed, if the student so elects, by a more detailed and thorough study of selected epochs and important movements. The two outline courses, 1 and 2, are fundamental and must precede all others both in General and in Church History except the course in Missions. With the exception of this last course, no courses in History are open to students who have done less than nine majors of college work. All courses except 1 and 2 vary from year to year so as to allow continuous work in the department without repetition.

Courses in History.

1. **MEDIEVAL EUROPE:** An outline course upon the history and institutions of Europe during the Middle Ages. Instruction

is given by lectures, text-book and collateral reading. Prerequisite, nine majors of college work. *Fall, 11:30.*

2. MODERN EUROPE: An outline course upon the development and spread of European civilization from about 1450 to 1815, continuing course 1. Prerequisite, course 1. *Winter, 11:30.*
3. CONTEMPORARY EUROPE: A study of the internal condition and international relations of the leading European countries during the last century. Prerequisite, courses 1 and 2. *Spring, 11:30.*
- 6a, 6b. GERMANY DURING THE REFORMATION: A study of the political, religious and social movements in Germany from Luther's theses (1517) and the election of Charles V (1519) to the peace of Augsburg (1555.) Prerequisites, courses 1 and 2. *Fall, Winter, 10:30.*
7. FORMATION OF MODERN GERMANY, 1848-1910: Beginning with the revolution of 1848 in Germany, this course deals with the establishment of Prussian leadership and the exclusion of Austria, the formation of the Empire and the political, social and industrial evolution of present-day Germany. While advisable to take this course only after the completion of the preceding courses, they are not prerequisite. *Spring, 10:30.*

(For courses in Church History, see p. 75.)

BIBLICAL LITERATURE IN ENGLISH.

PROFESSOR HALL.

PROFESSOR —————

General Statement. These courses are intended to give the college student an introduction to the study of the English Bible. Candidates for the A. B. degree may elect three majors in this department, and they are urged to do so as early

as possible in the college course. Special ministerial students should consider these courses fundamental to all others which they may desire to pursue. Work in this department is not credited toward a graduate degree.

Courses in Old Testament Literature.

1. THE HEXATEUCH: A non-technical study of the first six books of the Bible. *Fall, 8:00.*
2. THE HISTORICAL BOOKS: A study of the history of Israel, based directly on the reading and comparison of the historical books. *Winter, 8:00.*
3. THE PROPHETICAL BOOKS: The origin, growth and character of Hebrew prophecy. *Spring 8:00.*

New Testament Literature.

1. THE PAULINE LETTERS. *Fall, 8:00.*
2. THE SYNOPTICAL GOSPELS. *Winter, 8:00.*
3. THE JOHANNINE GOSPEL AND LETTERS. *Spring, 8:00.*

NOTE.—Either the courses in the Old Testament or those in the New will be offered, but both series will not be offered in the same year.

BIOLOGY.

PROFESSOR BRUNER.

General Statement. This department aims (1) to meet the demands of a liberal education, and (2) to prepare students for teaching, investigation and medicine. The elementary courses in zoology and botany are designed partly to meet the first demand and partly to furnish a basis for more advanced work.

The method of instruction recognizes the value both of the ideas of science and of discipline; it emphasizes general princi-

ples, and at the same time encourages the acquisition of the methods and habits of scientific investigation. Lectures and recitations go hand in hand with practical work, in which each student is required to make a faithful record of his observations.

To meet the requirements for graduation either botany (courses 1, 2, 3),* or zoology (courses 1, 2, 3), may be elected. In all cases three continuous courses must be taken to receive credit, but students from other colleges may offer an equivalent for one or more of these courses.

A laboratory fee of three dollars per term is charged in all cases, excepting courses 7 and 13, for which the charges are indicated below.

Courses in Zoology.

1. **ELEMENTARY ZOOLOGY:** (a) General introduction. The most important characteristics of living matter; structure and properties of the cell; origin of tissues and organs.

(b) An outline of the structure, functions and classification of Protozoa, sponges, Coelenterata, worms.

Fall, 10:30-12:30.

2. **ELEMENTARY ZOOLOGY (continued):** Polyzoa, Arthropoda, Mollusca, Echinodermata.

Winter, 10:30-12:30.

3. **ELEMENTARY ZOOLOGY (continued):** (a) The vertebrate type and its chief modifications; laboratory work on Amphioxus, dogfish, frog, lizard, pigeon, mammal.

Outline of the theory of evolution. *Spring*, 10:30-12:30.

- 4, 5. **HISTOLOGY AND MICROSCOPICAL METHODS:** (a) A study of the methods and processes employed in microscopical investigation, with practical work in the preparation of various kinds of material. Special attention is given to fixation, staining, section cutting, mounting, methods of reconstruction, etc.

(b) A study of the minute anatomy of a typical mammal. Prerequisite, courses 1, 2, 3, or an equivalent.

Fall, Winter. Hours to be arranged.

*Courses 1 and 2 in botany will not be given in 1910-'11.

6. **EMBRYOLOGY OF VERTEBRATES:** Lectures on segmentation, the formation of the germ layers and the development of organs; practical study of the chick, frog and pig. Must be preceded by course 5. *Spring.* Hours to be arranged.
7. **COMPARATIVE ANATOMY OF VERTEBRATES:**
(1) A review of the classification and development of vertebrates.
(2) A study of physiological mechanisms—skeleton, muscular system, nervous system, sense organs, respiratory systems, urinogenital system, etc.
Open to students who have taken courses 1, 2, 3.
Laboratory fee, four dollars.
Weidersheim and Parker's Comparative Anatomy of Vertebrates. Hours to be arranged.
8. **MAMMALIAN ANATOMY:** This course is intended for students who desire an acquaintance with the structure of the mammalian body as a preparation for work in physiology, anatomy and medicine. Prerequisite, course 7. Reighard and Jennings' Anatomy of the Cat. Hours to be arranged.
9. **PHYSIOLOGY:** A course in human physiology, including recitations, demonstrations and practical exercises in the laboratory. A fee of one dollar and fifty cents is charged.

Winter, 9:00.

Courses in Botany.

- [1, 2. **ELEMENTARY BOTANY:** These courses deal with the larger groups of plants—algæ, fungi, liverworts, mosses, ferns, seed-plants—whose general characteristics are illustrated by the study of typical forms. In connection with the above, particular attention is given to cell structure, the differentiation of cells and tissues, the origin of sex, alternation of generations and the significance of the seed.]
3. **ELEMENTARY BOTANY—ECOLOGY:** A study of the adaptations of plants to their physical environment and to other organ-

isms, including the modification of plant structures under changing conditions, and the origin and development of plant societies. An elementary course for teachers and general students. Instruction is given by means of lectures, lantern views, laboratory exercises and field work.

Spring, 2:00-4:00.

CHEMISTRY.

PROFESSOR MOORE.

General Statement. The courses offered in this department are primarily designed to meet the wants (1) of those desiring a general knowledge of the subject, and (2) of those feeling the need of more advanced work in order to prepare themselves for research work, teaching, medicine, chemical engineering or other professions.

The instruction is given by means of lectures, recitations and laboratory work. The lectures are fully illustrated by numerous classroom experiments, and are supplemented by recitations, written exercises, written examinations, problems and laboratory work.

The equipment of the department is good. The lecture-room is fully supplied with apparatus and all of the modern facilities for the experimental illustration of the different lecture courses. The laboratories are well furnished, being conveniently arranged and supplied with tables, reagents, gas, water, hoods and all the necessary facilities to enable the student to carry on the lines of work laid out in the several courses. To each student is assigned his own desk with separate outfit of apparatus and chemicals.

Courses.

1, 2, 3. **GENERAL INORGANIC CHEMISTRY:** Elementary. The non-metals and metals. Lectures, recitations and laboratory work. The lectures, which are fully illustrated by experiments, are devoted to a discussion of the facts and theories

of chemistry, to the use of symbols, formulæ and equations and the solving of chemical problems, together with the history, occurrence, preparation and properties of the elements and their principal compounds. In the laboratory special attention is given to training the student in inductive reasoning as applied to chemical work. It is recognized that while the accumulation of chemical facts is of importance, careful observation and the correct interpretation of the phenomena observed are of much greater importance.

Fall, Winter, Spring—Lectures, Tues., Sat., 2:00. Laboratory, Wed., Thurs., Fri., 2:00-4:00.

- 4, 5. **QUALITATIVE ANALYSIS:** Lectures, recitations and laboratory work. A systematic course in qualitative analysis, including a comparison of the different methods of separation and identification of inorganic substances, both in solution and in the dry condition. The ionic theory and the law of mass action, as applied to the work in this course, are fully discussed. Prerequisites, courses 1, 2, 3, or their equivalent.

Fall, Winter, 10:30-12:30.

6. **INORGANIC PREPARATIONS:** Lectures, recitations and laboratory work. The preparation of some of the more important inorganic compounds, including a study of those conditions under which the largest quantitative yield may be obtained. Prerequisites, courses 1, 2, 3, or their equivalent.

Spring, 10:30-12:30.

- 7, 8, 9. **QUANTITATIVE ANALYSIS:** Lectures, recitations and laboratory work. An introduction to quantitative methods and the chemistry upon which those methods are based. Analysis of salts, alloys, commercial products, etc., by gravimetric, volumetric and electrolytic methods. Prerequisites, courses 3, 4, 5, or their equivalent. Hours to be arranged.

- 10, 11, 12. **GENERAL ORGANIC CHEMISTRY:** Lectures, recitations and laboratory work. The principles of organic chemistry,

together with the preparation and the study of the properties of a series of typical compounds of carbon. This course is especially recommended to those desiring a good general knowledge of elementary organic chemistry. Prerequisites, courses 1, 2, 3.

13. GAS ANALYSIS: The measurement of gases and vapors, and the quantitative analysis of gaseous mixtures. Prerequisites, courses 8, 9. *Spring.* Hours to be arranged.
14. ADVANCED QUANTITATIVE ANALYSIS: A continuation of course 9, in which special attention is paid to electrolytic methods of analysis. *Fall.* Hours to be arranged.
15. RADIO-ACTIVITY: Lectures, experimental work and recitations on the radio-active types of matter and atomic disintegration. *Winter.* Hours to be arranged.
- 16, 17, 18. SPECIAL WORK: Students who have had courses 1 to 12, inclusive, or their equivalent, will be assigned special work in inorganic chemistry or analytical work. Daily through the year.

The laboratory fee for courses 1, 2 and 3 is \$3; for all other courses it is \$4. These fees are for each term, payable in advance. The more expensive chemicals, breakage and other damage to apparatus will be charged extra.

PHYSICS.

PROFESSOR MOORE (in charge).

MR. _____

General Statement. The courses offered in this department aim to present the subject of General Physics in a more thorough, careful and extended manner than is the case in an elementary presentation of the subject. The instruction is given

by means of text-books and lectures, which are fully illustrated by numerous classroom experiments, and are supplemented by laboratory work, recitations, written examinations and the solution of problems. Taken together, the courses offered are equivalent to one year's work, and so arranged as to enable a student to take them all if he so desires. They are open only to those who have had course 1 in Mathematics. A laboratory fee of \$3 per term is charged.

Courses.

1. GENERAL PHYSICS—Mechanics and Heat.

Mechanics—Laws of Motion; Falling Bodies; Projectiles; Statics; Energy; Moment of Inertia; Hydrostatics; Capillarity; Hydraulics, etc.

Heat—Nature; Sources; Distribution; Effects; Calorimetry; Thermo-dynamics, etc. *Fall.*

2. GENERAL PHYSICS—Sound and Light.

Sound—Nature; Sources; Reflection; Intensity; Interference; Pitch; Quality; Harmony, etc.

Light—Nature; Sources; Reflection; Refraction; Polarization; Interference; Dispersion; Color, etc. *Winter.*

3. GENERAL PHYSICS—Magnetism and Electricity.

Magnetism—Magnets; Polarity; Induction; Lines of Force, etc.

Electricity—Frictional; Voltaic; Effects of Electric Currents; Electrical Qualities; Electro-dynamics, etc. *Spring.*

GEOLOGY AND PHYSICAL GEOGRAPHY.

PROFESSOR BRUNER (in charge).

General Statement. The instruction offered in this department is intended as an introduction to the entire field of geological science. The subject-matter of the course is believed

NORMAL COURSE FOR TEACHERS

Session of 1910.

MONDAY, MAY 9—SATURDAY, JULY 30.

GENERAL ANNOUNCEMENT.

Under the present school law of Indiana all teachers in the common schools of the State who begin their work after August 1, 1908, must have at least twelve weeks of professional training in an approved normal school or college. Teachers are divided, according to preparation, experience, success and character of license held, into three classes, A, B and C, and a maximum and minimum salary fixed for each class.

Butler College has been accredited by the State Board of Education for the preparation of teachers in each of the three classes, A, B and C, provided for by the law. In addition to the work pursued throughout the college year in educational psychology and allied subjects, the special twelve-weeks' course herein announced has been arranged for the benefit of those who desire to be enrolled this year under Class A, or to do additional work leading to enrollment in Classes B and C.

All graduates of commissioned or certified non-commissioned high schools, and those who have equivalent scholarship, who secure a license of twelve months, become by the completion of the Butler College twelve-weeks' normal course members of Class A, and are eligible to teach in any of the common schools of Indiana.

COURSES OF INSTRUCTION

The following courses are open to all graduates of high schools and to other approved applicants. Those who expect to be enrolled as teachers in Class A are required to take courses

1 and 2, and any two of courses 3, 4 and 5. No one, unless by special permission, will be allowed to take more than four courses. Courses 1 and 2 and two other courses give all the professional training required of teachers in Class A.

All courses consist of five recitations, of fifty minutes, each week for twelve weeks. If applied toward college degrees or toward satisfying requirements for Class B or Class C, each course counts as a major credit. (See page 35.) Unless otherwise specified the instructors are regular members of the Butler College faculty.

Observation of work in the city schools of Indianapolis is arranged for and required in connection with all of the courses. As the Indianapolis schools are among the best in the United States, and the instructors in the Butler College normal course enjoy the hearty cooperation of the city schools, this part of the work is of great advantage, and is one of the most attractive features of the course.

Course I. Educational Psychology. MR. T. NEIL JOHNSON,
Assistant Professor of Education, Butler College, during Normal Course and Summer School of 1910.

Course II. (a) History of Education,
or (b) Methods and Principles of Teaching.
MR. T. NEIL JOHNSON.

Course III. English: Language, Grammar and Composition.
MISS CORNELIA A. ALLEN.

Course IV. United States History. PROFESSOR C. B. COLEMAN.

Course V. Elementary Mathematics: Arithmetic, Algebra.
PROFESSOR E. N. JOHNSON.

SUMMER SCHOOL

FACULTY.

DEAN.

THOMAS CARR HOWE, PH. D., President of Butler College.

DEPARTMENT OF ENGLISH.

MARK HARVEY LIDDELL, A. B., Professor of English in the University of Louisville (Editor Elizabethan Shakspeare).

CORNELIA A. ALLEN, A. M., Instructor in English, Butler College.

DEPARTMENT OF HISTORY AND CIVICS.

JAMES W. PUTNAM, PH. D., Professor of Economics and Political Science, Butler College.

DEPARTMENT OF EDUCATION.

T. NEIL JOHNSON, A. B., Assistant Professor of Education, Butler College.

DEPARTMENT OF NATURE STUDY.

ROUSSEAU MCCLELLAN, A. B., Head of the Department of Botany and Zoology, Shortridge High School, Indianapolis.

DEPARTMENT OF MATHEMATICS.

ELIJAH N. JOHNSON, A. M., M. S., Professor of Mathematics, Butler College.

CALENDAR.

THURSDAY, JUNE 16—SATURDAY, JULY 30, 1910.

June 16, Thursday—Fifty-fifth Annual Commencement of Butler College.

June 20, Monday—Registration for Summer School.

June 21, Tuesday—Instruction begins.

July 29, Friday—Examinations begin.

July 30, Saturday—Examinations and close of Summer School.

GENERAL ANNOUNCEMENT.

Terms of Admission. There will be no formal examinations for admission. Students, both men and women, will be admitted to such courses as they are qualified to pursue to advantage. The regular class instruction of the Summer School will begin promptly on June 21. After July 2, no change of courses will be allowed, nor will credit for attendance be given to students entering after that date.

Students completing the work of any of the courses in the Summer School and passing examination thereon will be granted a certificate upon request. Regularly matriculated students of Butler College will receive college credit for work done in Summer School.

Fees. The regular fee will be \$10 for each major course, whether elementary or advanced, and \$6 for each minor course taken.

Students taking the course in Nature Study will be charged an additional fee of \$1.00, plus breakage or other damage to apparatus.

Fees must be paid at the time of registration.

When an announced course has not been applied for by at least five students, the instructor shall be at liberty to withdraw the course.

CHURCH HISTORY.

PROFESSOR COLEMAN.

General Statement. One general outline course and a number of courses in which particular periods of Church History are considered, are offered. Students are recommended to take as much work in General History as possible before they take any of the work in Church History except course 11. With the exception of this last course, courses 1 and 2 in General History must precede any work in this department.

Courses.

- 1a, 1b, 1c. **OUTLINE OF CHURCH HISTORY:** This course will constitute an introduction in the study of Church History. The aim will be to get an orderly, systematic and connected view of the entire field of Church History, its epochs and turning points, its leading movements, events and characters. The instruction will be for the most part by lectures and by references to the literature of the subject. Prerequisite, two majors of college work in history.
- Fall, Winter, Spring, 2:00.*
- [2. **ANTE-NICENE CHRISTIANITY:** The origin of Christianity in history, the Apostolic age, spread of the Christian religion, development of doctrine and organization, to the time of Constantine. Prerequisite, two majors of college work in history. Not credited toward the A. B. degree.]
- [3. **EARLY CHRISTIAN LITERATURE:** Advanced work in the writings of the Ante-Nicene Fathers. Not credited toward the A. B. degree.]
- [12. **HISTORY OF NEW TESTAMENT TIMES:** A study of the life of the Jewish people and their surroundings from the time of the Maccabees to the fall of Jerusalem, with special consideration of the beginning of Christianity.]

- [9. STUDIES IN CHRISTIAN BIOGRAPHY: A careful study of the life and work of great leaders of the Church and of religious movements. The men considered include such names as Athanasius, Augustine, Gregory the Great, Francis of Assisi, Luther and Calvin.]
- [10. HISTORY OF CHRISTIAN DOCTRINE: The belief of the Church as expressed by theologians and councils; heresies and their significance; the great changes of Christian thought. Not credited toward the A. B. degree.]
- [11. HISTORY OF MISSIONS: This course will treat briefly of the scriptural basis of missions, of the conversion of the Roman Empire, and of the Teutonic and Slavic peoples, of the prominent missionaries during the Middle Ages, and of Roman Catholic and Protestant missions after the Reformation. Special attention will be given to biography and to modern methods of mission work.]

NEW TESTAMENT LITERATURE AND INTERPRETATION.

PROFESSOR HALL.

General Statement. The Greek Grammar of the New Testament will be inductively taught upon the basis of the New Testament itself. Thorough as well as cursory reading of the Greek Testament will be required, and such a general working knowledge of the New Testament will be imparted as will enable the student further to pursue his studies systematically. Instruction in the doctrines of the New Testament and its homiletical value will not be neglected. Some idea of the state of the world at Christ's coming, of the literature then influencing mankind, and especially the Hebrew people, and a general knowledge of the life of Christ and the early days of Christianity, will be given. It is not so much the purpose to impart knowledge as to teach the student how to acquire the knowledge for himself.

Courses in New Testament.

1. NEW TESTAMENT GREEK GRAMMAR: A strictly linguistic study of the peculiarities of New Testament Greek. Reading of selected passages. Prerequisite, two years of classical Greek. This course is prerequisite to the following courses in New Testament Greek. *Fall, 9:00.*
2. THE SYNOPTIC GOSPELS: The reading of the Greek text and careful exegetical study. *Winter, 9:00.*
- [3. THE GOSPEL AND EPISTLES OF JOHN: An exegetical study of the Greek text. The aim of this course is to enable the student to familiarize himself with the vocabulary and teaching of the Gospel and Epistles of John. *Winter.]*
4. THE PAULINE EPISTLES: The reading of the Greek text, special study of Romans and of the great words which Paul employs in this epistle. *Spring, 9:00.*
5. NEW TESTAMENT THEOLOGY—THE SYNOPTICS: A study of the teachings of Jesus as recorded in the first three Gospels. Should be preceded by course 2. Not credited toward the A. B. degree. *Fall, 10:30.*
6. NEW TESTAMENT THEOLOGY—PAUL: A study of the leading ideas of the Apostle Paul, as described in his epistles. Not credited toward the A. B. degree. *Winter, 10:30.*
7. NEW TESTAMENT THEOLOGY—JOHN: A constructive study of the writings of John. Not credited toward the A. B. degree. *Spring, 10:30.*
- [8. ACTS OF THE APOSTLES.]
- [9. NEW TESTAMENT INTRODUCTION: A study of the authorship, date, historical setting and structure of the books of the New Testament, with a brief survey of the history of the Canon. Not credited toward the A. B. degree.]

(For courses in Biblical Literature in English, see p. 58.)

DEPARTMENT OF ART

MYRTLE LEWELLYN TAYLOR, Director.

This department offers class work to all students in College. It is separate from the College and charges its own fees, which are payable in advance. College credits are not granted for work done, although a record is kept of the courses satisfactorily completed. The courses offered are adapted to students and also to teachers wishing normal and supervisor work.

It is the aim of the department ultimately to establish a school in design. The Theory of Design and Composition, by Denman W. Ross, is used as text-book, while the design work is arranged in a series of problems, defining the principles which govern line, form and tone.

Each student registering for craft is expected to take the course in design.

Courses.

1. Water colors. Six studies. \$6.00.
2. Design, stencil cutting, color printing on textiles, three prints. \$6.00.
3. Pottery, building, moulding, three pieces. \$15.00.
4. China Painting. Powder colors used and the course in design required. \$6.00.
5. The class work in design consists of a course in pencil drawing, charcoal and water colors, and is intended for all students preparing for normal course work, as supervisors and teachers. It is also open to others wishing practice with these mediums. Six drawings, \$5.00. Materials, \$1.00 extra.

No student can register for more than three courses during a term.

PHYSICAL CULTURE.

CARL SPUTH, Director.

General Statement The department of Physical Culture is designed to promote the best health of the individual, to enable him to coordinate muscular movements more quickly and gracefully, to provide for greater physical symmetry, and to inculcate a knowledge of the functions of his own body. To facilitate these ends a modern college gymnasium has been provided, and well equipped with necessary apparatus and furnished with dressing room, lockers and shower baths. The gymnasium building is under the complete supervision of a competent director, or his assistant. Six terms' work are required for graduation, three of which must be taken in either the Freshman or Sophomore year.

Gymnastic costumes will be required of all students taking work in the Department of Physical Culture. Such a costume can be obtained at a small cost.

SCHOOL OF MINISTERIAL EDUCATION

It is the purpose of the College to establish a Graduate Divinity School, but it is not possible to present a full program of ministerial instruction at this time. A certain portion of the endowment of the institution is set apart for the education of ministers, and as the funds increase additional instructors will be appointed and additional facilities offered.

Meanwhile, all courses which are of special importance in ministerial education are grouped in this School. The degree of B. D. will not be granted until further notice; but graduates of Butler College, or of other colleges maintaining the same requirements for the A. B. degree, will be granted the degree of A. M. on the completion of nine major courses in this School, selected with the approval of the College Adviser and the Dean, and on compliance with the other requirements for this degree as stated on pages 37, 38, of the College catalog.

In addition to graduate students, the School offers its instruction to mature persons who desire special courses, but who are unable to pursue a regular college course. Such special students are admitted to such courses only as their previous preparation may enable them to pursue with profit. Special students must comply with the regulations of the College as stated on page 33 of the College catalog.

Undergraduates are not encouraged to begin their ministerial studies until they have completed their work in the regular academic departments of the College. However, certain courses offered by this School will be credited toward the A. B. degree. For the year 1910-'11 the following rules will be observed:

1. Undergraduates may elect three major courses in the department of Biblical Literature in English at any time in their course.
2. Undergraduates who are credited with eighteen college majors may elect six major courses in this School; but the

courses so elected must not be from among those which are expressly noted as not to be credited to college students.

3. With the consent of the Adviser, undergraduates may register for other courses in this School; but no college credit will be given in such cases, nor will these additional courses be credited toward a graduate degree.

4. Students who expect to become candidates for the B. D. degree may present for that degree the six majors elected in this School under rule 2, and also credits for courses in charities and corrections in the department of Sociology, and in philosophy of religion in the department of Philosophy; but no more than nine majors in all will thus be accredited toward the higher degree.

A record is kept of all courses completed in this School, whether accredited toward a degree or not; and, on request, a certificate will be given to the student showing the courses which he has completed.

Students in this School are subject to all regulations as to fees, conduct, etc., set forth in the College catalog.

For courses in Sociology and Philosophy, and also for courses preliminary to those offered in this School, see announcement of the academic departments of Butler College.

HOMILETICS AND THEOLOGY.

PROFESSOR HALL.

General Statement. In this department instruction will be given in the preparation and delivery of sermons. Students will, in addition to courses in Homiletics in the most approved text-books, be required to prepare outlines of sermons. A general introduction to theology and systematic courses in Christian doctrine will also be given.

Instruction will also be given in the practical management of churches and pastoral care. The subjects of city evangelization and of home and foreign missions will be taught both in the classroom and by institutes and lectures.

Courses.

1. **GENERAL INTRODUCTION TO THEOLOGY:** The object of this course is to furnish an outline of the various departments of theology; to define their nature, mutual relations, aim and boundary lines; to show their respective functions and values, together with the best methods of their study, and the bibliography of the subjects. The student will thus acquire a general view of the subjects which will engage his attention as he passes through his theological preparation for the work of the ministry, and so be the better prepared from the first to estimate the importance and relation of these studies. Not credited toward the A. B. degree.
Fall, 2:00.
2. **CHRISTIAN THEOLOGY:** The object of this course will be to make the student acquainted with sources and methods of the study, and especially to emphasize the importance of the scriptural material bearing on the doctrine of God, of man, of Christ, of the Holy Spirit and of the Last Things. A suitable text-book will be used in connection with lectures, and constant references will be made to the bibliography of the subjects. Not credited toward the A. B. degree.
Winter, 2:00.
3. **HOMILETICS AND PASTORAL THEOLOGY:** The preparation and delivery of sermons will be taught with the aid of a text-book. Analysis and criticism of masterpieces, original plans and sermons will be required, which will be criticised by the instructor. The study of pastoral theology will be conducted with a text-book, supplemented by lectures on "Modern Methods in Church Work," "City Evangelization," "The Bible School," etc. The student will make investigations of the forms of organization and methods of work in the different denominations, both Roman Catholic and Protestant. Not credited toward the A. B. degree.
Spring, 2:00.

to include that which is most interesting to the student, and at the same time most valuable to the average citizen. The collections in the museum are of great value for illustration of the work outlined below.

Courses.

1. **ELEMENTARY GEOLOGY:** (a) The dynamical agencies and their work, as illustrated in denudation, earthquakes, volcanoes, coral reefs and islands, glaciers, etc.
(b) The structure of the earth's crust; stratified, igneous and metamorphic rocks; origin of mountains; faults, dykes, mineral veins.
(c) Historical Geology. The development of the North American continent; the evolution of the life of the globe. Scott's Introduction to Geology. *Winter, 9:00.*
- [2. **PHYSIOGRAPHY:** A study of the origin and development of land forms and of the influence of the physiographic factor on the distribution and activities of mankind. One hour daily, with excursions.]

MATHEMATICS AND ASTRONOMY.

PROFESSOR JOHNSON.

General Statement. The work in mathematics is arranged with a view to the interests (1) of those who desire to pursue mathematics as a means of general culture, and because of the valuable mental discipline which it affords, (2) of those who wish to use mathematics as an instrument in the study of the physical sciences, and (3) of those who intend to become teachers and investigators in mathematics.

The courses in mathematics outlined below may be roughly divided into elementary and advanced. By elementary courses are meant the courses in geometry, trigonometry, higher algebra, analytic geometry, differential and integral calculus. These

courses are necessary in preparation for all the other courses given in mathematics.

While the more advanced courses are not all given each year, they vary from year to year in such a way that a student may receive continuous instruction in mathematics for five or six years.

The courses in astronomy are designed (1) for the general student, (2) as a basis for advanced work in theoretical and practical astronomy. The courses in mechanics show the application of calculus to physics and prepare the student for advanced theoretical physics and celestial mechanics.

Students who do not offer solid geometry for entrance to college may receive college credit for course A. It is, however, recommended that solid geometry be included among the elective units offered for entrance.

Courses in Mathematics.

- A. SOLID GEOMETRY: The usual theorems and constructions, including the relations of planes and lines in space; the properties of prisms, pyramids, cylinders, cones and spheres; numerous original exercises. *Spring.*
1. PLANE TRIGONOMETRY: After developing the fundamental principles, many exercises are given to furnish drill in the application of the formulas to the solution of problems. *Fall, 8:00.*
2. ADVANCED ALGEBRA: Besides a brief review of the quadratic equation, this course includes permutations, combinations, logarithms, theory of equations, application of the principle of mathematical induction, determinants, Horner's method of solving numerical equations, elements of the theory of complex numbers and the algebraic solution of the general cubic and biquadratic equations. *Winter, 8:00.*
3. ANALYTICAL GEOMETRY: The application of algebra to geometry. The conic sections and their equations receive most

attention. A little time is given to solid geometry. Prerequisite, course 1. *Spring, 8:00.*

4. DIFFERENTIAL CALCULUS: Since this is a decidedly new field to the student, the transition is made cautiously. This is largely a drill course, but aims at vigor in the treatment in so far as seems desirable in beginning this subject. Prerequisite, courses 1, 2, 3. *Fall, 11:30.*
5. DIFFERENTIAL AND INTEGRAL CALCULUS: Continuation of course 4, about eight weeks being devoted to the differential and four weeks to the integral calculus. *Winter, 11:30*
6. INTEGRAL CALCULUS: Continuation of course 5. Considerable attention is given to applications of calculus to geometry and mechanics. *Spring, 11:30.*
7. DIFFERENTIAL EQUATIONS: This course deals with the methods of solution of the simpler ordinary and partial differential equations, many of which occur in works on advanced physics. Prerequisite, course 6.
- [8. THEORY OF EQUATIONS: A course devoted to the general properties of equations, determinants, transformation of equations, symmetric functions and the complex variable. Prerequisite, course 6. *Fall.]*
- [9. THEORY OF EQUATIONS: Continuation of course 8. *Winter.]*
- [10. SOLID ANALYTICAL GEOMETRY: In this course calculus is applied to the study of surfaces. Prerequisite, course 6. *Spring.]*
11. ADVANCED DIFFERENTIAL CALCULUS: Based on Byerly's Differential Calculus. Prerequisite, course 6. *Fall.*
12. ADVANCED INTEGRAL CALCULUS: Byerly's Integral Calculus, supplemented by lectures. The topics studied are imaginaries, definite integrals, multiple integrals, elliptic in-

tegrals, and elements of functions of a complex variable.
Prerequisite, course 11. *Winter.*

- [13. **THEORY OF FUNCTIONS:** This course deals with conformal representation, infinite series, singular points of analytic functions, and particularly with algebraic functions. Prerequisite, course 12. *Winter.*]
- [14. **PROJECTIVE GEOMETRY:** The geometry of the projective group in the plane and in space is studied by both the analytic and synthetic methods; applications to non-Euclidian geometry. Prerequisite, course 12. *Spring.*]

Courses in Astronomy and Mechanics.

1. **GENERAL ASTRONOMY:** This course is designed for those who desire to pursue the work as part of a liberal education. Requires no mathematical preparation. The telescope will be used in connection with the study of the solar and stellar systems. *Fall, 9:00.*
- [2. **GENERAL ASTRONOMY:** Continuation of course 1. *Winter.*]
- [3. **ELEMENTARY MECHANICS:** Kinematics, statics and kinetics will be studied in their elementary forms without the knowledge of calculus. Prerequisite, Mathematics 1. *Spring.*]
- [4. **ANALYTIC MECHANICS:** Statics and dynamics. The application of calculus to determine the state of a system of particles of rigid bodies. Prerequisite, Mathematics 6. *Winter.*]
- [5. **ANALYTIC MECHANICS:** Continuation of course 4. Problem work is an important feature of this course. *Spring.*]
- [6. **INTRODUCTION TO CELESTIAL MECHANICS:** The problem of two and three bodies will be considered. Also the method of determining the elements of an orbit. Prerequisite, Mechanics 4, 5. *Fall.*]

No student will receive credit for work amounting in value to more than two majors or four minors.

All classes meet on Monday, Tuesday, Wednesday, Thursday and Friday unless otherwise specified.

COURSES OF INSTRUCTION

ENGLISH.

1. NINETEENTH CENTURY POETRY: Wordsworth, Shelley, Tennyson and Browning. The course has the purely practical aim of quickening native powers of appreciation for and stimulating a renewed interest in the work of our best poets. The laws of structure which English poets have unconsciously obeyed since the thirteenth century will be formulated into a clear, definite and simple system of prosody that can be readily assimilated as a guide to the better appreciation of the beauty of poetry, or as a basis for the intelligible teaching of English verse. The course will deal, by means of such a system, with the salient characteristics of Nineteenth Century Poetry in their relation to the political, scientific and ethical movements of the time, and will embrace readings and interpretations of the chief poets of the period, with special attention to those named in the title. For the sake of uniform reference, students are asked to provide themselves with copies of Palgrave's Golden Treasury of Songs and Lyrics and the fourth volume of Ward's English Poets, in the recent editions of the Macmillan Company. *Minor.* PROFESSOR LIDDELL.
2. THE ELEMENTS OF ENGLISH PROSE STYLE: The course will deal with the elements of English style from the practical point of view of one desirous to increase the range of his native resources of language expression and of literary appreciation. Its fundamental criteria will be those of modern

psychology rather than traditional prescriptions of grammar and rhetoric. It will treat of the nature and cardinal qualities of style in their relation to clear and interesting writing; take up and discuss in detail the various adaptations of our language material to these ends; illustrate concretely from the practice of masters such principles of arrangement as are founded upon the normal development of English forms of thinking; enforce these principles as the best practical means of securing good English composition and more appreciative reading of English prose. *Minor.*

PROFESSOR LIDDELL.

3. THE HISTORY OF ENGLISH SPELLING FORMS: The course will cover the history of written English from the Old English Period to the present day; will deal with the origin and development of the letter forms and punctuation system we use in writing and printing; will present and explain the phonetic representations of English sounds now employed in England and Germany and embodied in the pronunciation forms of the Oxford Dictionary; will show the relation of our literary spelling to the sounds of modern spoken English, and will briefly touch upon the various efforts to reform English spelling that have been made since the beginning of the thirteenth century. This course will not be offered if 2 is given. *Minor.*

PROFESSOR LIDDELL.

4. RHETORIC AND COMPOSITION: The course is intended to furnish the elements of rhetoric and to supply practice in English composition. There will be daily and weekly themes illustrating the different kinds of construction. This course will be conducted with direct reference to teachers. *Minor.*

MISS ALLEN.

HISTORY.

1. UNITED STATES HISTORY: Emphasis will be laid on the industrial side of the subject, and the bearing of industrial development on politics will be pointed out. Such subjects as

the rise and growth of the leading American industries, the commercial relations of the country, the tariff, westward expansion, internal improvements, and financial and banking problems will receive consideration. A text will be used, supplemented by lectures, assigned readings and reports.

Minor.

PROFESSOR PUTNAM.

CIVICS.

1. The course deals with the principles of the American government, and the organization and functions of the national, state and local governments, emphasis being laid on the more important problems incident to cities and to territories and dependencies. A text will be used, supplemented by lectures, assigned readings and reports. *Minor.*

PROFESSOR PUTNAM.

EDUCATION.

1. **EDUCATIONAL PSYCHOLOGY:** A study of the actual workings of the human mind as it deals with its concrete problems; the development of the various mental processes through the activities of the school; and the significance of the psychological facts and principles thus discovered for the work of education and the teaching process.

The text used will be *The Psychology of Thinking* by Miller, with references to Dewey's *How We Think*. *Minor.*

PROFESSOR T. NEIL JOHNSON.

2. **PRINCIPLES OF METHOD:** This course will include observation in the city schools on the basis of printed syllabi, together with reports and discussion of the principles of management and teaching which are found to be embodied in these schools. This will be followed by a study of the sociological and psychological principles involved in teaching the various school subjects; a detailed study of different methods of conducting recitations with the different types

of lessons, together with practice in actually constructing lesson plans for same.

The text used will be Charter's Methods of Teaching, with reference to Adam's Exposition and Illustration in Teaching, and other books on method. *Minor.*

PROFESSOR T. NEIL JOHNSON.

3. HISTORY OF EDUCATION: A review of the various types of educational practice which have prevailed at successive periods in the history of the race, considering each in relation to the social and political life of the time. We seek to determine the function of education in social progress rather than teaching devices for to-day. A working knowledge of the history of civilization is a desirable prerequisite. Monroe's Brief Course will be the text. Courses 2 and 3 are offered as alternatives. *Minor.*

PROFESSOR T. NEIL JOHNSON.

NATURE STUDY.

1. NATURE STUDY: A study of common plants and animals; identification of trees; life history of insects; preparation of aquaria. Special attention will be given to the field study of birds, their nesting habits, migration, economic value; bird protection; suggestions for bird study in schools. Irvington offers an unusual opportunity for this work. Hodge's Nature Study and Life will be used for reference work. A laboratory fee of one dollar will be charged. Lectures, laboratory and field work. The course will not be given for less than twenty students. *Major.* MISS McCLELLAN.

2. An advanced course in Nature Study, for those who have had course 1 or its equivalent, will be offered if a sufficient number desire it. *Minor.* MISS McCLELLAN.

ASTRONOMY.

1. **DESCRIPTIVE ASTRONOMY:** This course is designed for those wishing to gain a knowledge of the principles of the science of astronomy. No mathematical preparation is necessary. In connection with the descriptive work, one or two nights of each week will be spent in the observation and location of the prominent stars and constellations. Special attention will be given to Halley's comet, marking its course among the stars, and its change in appearance as it recedes from the sun. *Minor.*

PROFESSOR ELIJAH N. JOHNSON.

EXTENSION COURSES

IN COOPERATION WITH THE INDIANAPOLIS PUBLIC SCHOOLS.

THURSDAY, OCTOBER 5, 1909—SATURDAY, MAY 21, 1910.

FACULTY.

DEAN.

THOMAS CARR HOWE, PH. D., President Butler College.

SECRETARY.

CHRISTOPHER B. COLEMAN.

WILL D. HOWE, Professor of English Literature, Indiana University.

CHRISTOPHER B. COLEMAN, Professor of History, Butler College.

JOHN S. KENYON, Professor of English Literature, Butler College.

JAMES W. PUTNAM, Professor of Economics and Political Science,
Butler College.

JOSEPH K. EGGER, Assistant Professor of German, Butler College.

EDWARD B. BIRGE, Director of Music, Indianapolis Public Schools.

ROUSSEAU MCCLELLAN, Head of the Department of Biology and
Physical Geography, Shortridge High School.

BERTHA THORMYER, Teacher of German, Manual Training High
School.

GENERAL ANNOUNCEMENT.

The object of this department is to offer instruction in a limited number of college subjects to persons who can not attend the regular college classes. Classes are held once a week, either after the close of teaching and business hours or on Saturday. The work is of the same standard and character as ordinary college work. But, while the general purpose is culture and training in the methods and spirit of modern scholarship, many of the courses are so shaped as to be of direct use to those engaged in teaching in the public schools, in the study of art and literature, or in certain forms of business.

Admission. 1. Any one who has fulfilled the requirements for admission to Butler College is admitted as a *regular student*, i. e., as a candidate for a college degree.

2. Any one who, in the judgment of the instructor, is qualified to do the work which he desires to take, may be admitted to such work as an *unclassified student*. If later he becomes a regular student credits obtained in this department will apply toward a degree.

Fees. The fee for a full, or major, course for the year 1909-'10 will be \$10.00, and for a minor, or half, course, \$6.00. The fee for two consecutive minor courses, however, will be \$10.00, as for a single major. This is due upon registration and must be paid before final enrollment in any class.

Work Required All work, unless otherwise stated, satisfactorily and **Credits.** completed by regular students is credited by Butler College, and is recognized by other Colleges. Thus work in this department counts toward a degree in any institution as fully as work done in residence. The amount of college credit received for each course is indicated under that course, the unit being a major, which means from forty-five to fifty-five hours of classroom work, or thirty exercises of an hour and a half or more each.

The Indianapolis Board of School Commissioners accepts work in these courses in lieu of the examinations for assistant principals' and principals' certificates, credit in each course completed giving exemption from one of the examinations required, except in the case of the physiography required for the principals' certificates, for which credit equal to a full college major is required.

Those not desiring credit, but wishing to attend the lectures, or engage in the work planned by the instructors, may enroll in any of the courses, subject to the consent of the instructor, and need not take examinations.

COURSES OF INSTRUCTION

MODERN LANGUAGE.

GERMAN: A course in beginning or in advanced German will be given, provided an enrollment of fifteen is secured for either. Both beginning and advanced German, however, can not be given. *Major.*

ASSISTANT PROFESSOR EGGER AND MISS THORMYER.

ENGLISH.

1. THE DRAMA: A brief study of the English drama up to the Elizabethan period and discussion of several representative Elizabethan and Jacobean plays, to be followed by a fuller study of the modern drama. The latter will include plays by Robertson, Ibsen, Hauptmann, Sudermann, Pinero, Jones, Shaw, Fitch, Moody and others. The first part of the course will be given in a series of ten lectures by Professor Kenyon, and the latter in a series of twenty lectures and discussions by Professor Howe. *Major.*

PROFESSORS HOWE AND KENYON.

2. **ENGLISH COMPOSITION:** A course planned for practical work in writing English. Special drill in all the principles of composition. *Minor.* PROFESSOR HOWE.
3. **THE ENGLISH NOVEL:** Reading and class discussion of representative English novels from Austen to Hardy. A brief historical introduction will be followed by a study of artistic qualities of the novels read. *Minor.* PROFESSOR KENYON.
4. **MODERN ENGLISH POETRY:** Study of various types of modern English poetry, with emphasis on artistic and esthetic qualities with a view to appreciation. *Minor.* PROFESSOR KENYON.

POLITICAL SCIENCE.

AMERICAN GOVERNMENT: A study of the nature and functions of government and of the structure and operations of the national, state and local governments, in the light of existing social, economic and political conditions. Municipal and colonial governments receive consideration. A text accompanies the lecture. *Major.* PROFESSOR PUTNAM.

HISTORY.

OUTLINE OF AMERICAN HISTORY: This will be a lecture course with assigned readings in either one text or in books reserved at the city library as each student may elect. The word American is used in the broadest sense, to include both North and South America, and an attempt will be made to interpret the great movements common to English and Latin America, such as discovery and exploration, colonization and colonial development, transformation of colonies into nations, national development and expansion. In short, an attempt

will be made to outline an American History in the same way as is done for Europe in the familiar works upon European History. The work will center chiefly upon the United States, but will include also reading and lectures upon Mexico, Central and South America. *Major.*

PROFESSOR COLEMAN.

NATURE STUDY.

1. NATURE STUDY: A study of common plants and animals; identification of trees; field study of birds, life history of insects; preparation of aquaria. Hodge's Nature Study and Life will be used. The exact amount of college credit given is dependent in part upon the amount of field and laboratory work done. Lectures, laboratory and field work. *Major.*

MISS MCCLELLAN.

MUSIC.

MUSICAL LITERATURE AND HARMONY: A practical course in chord classification, ear-training and musical appreciation. While of special interest to teachers in the public schools, the course is open to others. It will not be given for less than fifteen students. *Major.*

MR. EDWARD B. BIRGE.

COMMENCEMENT RECORD

1909.

DEGREES CONFERRED.

Bachelor of Arts.

AXTELL, MARY MARGARET.	LAWSON, FRANK JONES.
BAIRD, EDWARD LIN.	LEE, CHARLES OTIS.
BOGERT, ELIZABETH THOMSON.	LONG, MABEL CLARE.
BRAYTON, ELIZABETH NICHOLSON.	MANKER, CHARLES.
BROWN, LOIS STEVENS.	MURRAY, JAMES LEE.
BURKHARDT, CARL ALONZO.	NIX, IRMA.
CLARKE, ELBERT HOWARD.	REDDING, HERBERT EMORY.
COOPER, EDNA.	ROSE, NATHANIEL BENJAMIN.
KILE, MERCEDES LOIS.	TOPH, LUCY.
WALLACE, ROGER WAYNE.	

Master of Arts.

WILLOUGHBY, WILLIAM DUCKWORTH, A. B.
BURKHART, CLAUDE MERRILL, A. B.

PRIZES AWARDED.

University of Chicago Scholarships—ELBERT HOWARD CLARKE,
MERCEDES LOIS KILE, IRMA NIX.

Winners of Addison C. Harris Medals—

First Place in Oratorical Contest—DANIEL SOMMER ROBINSON.

Debating Teams—CLARIS ADAMS, CLIFFORD BROWDER, HERBERT

ROBERT HYMAN, OSWALD RYAN, FRED E. SHORTEMEIER, JOHN
E. SPIEGEL.

Senior Scholarship—ROBERT JAMES MCKAY.

CATALOG OF STUDENTS

ANNUAL SESSION ENDING JUNE 16, 1910.

ABBETT, HUGH WHEELER.....	Oaklandon.
ADAMS, CLARIS.....	Indianapolis.
ALEXANDER, ELMA INEZ.....	Fountain City.
ANDERSON, MONTA.....	Indianapolis.
ARBUCKLE, FRED G.....	Indianapolis.
AVERY, JOHN L.....	Indianapolis.
AYRES, VIDA E.....	Indianapolis.
BACHMAN, IRMA.....	Indianapolis.
BADGER, KENNETH R.....	Indianapolis.
BAKER, BURT.....	Indianapolis.
BARNETT, CARL.....	Plainfield.
BARNHIZER, MAUDE MAE.....	New Augusta.
BARR, MARGARET.....	Indianapolis.
BATTON, RALPH.....	North Vernon.
BAXTER, ELIZABETH.....	Indianapolis.
BAXTER, ETHEL.....	Indianapolis.
BEBOUT, HARTE.....	Rushville.
BENNETT, ETHEL.....	Fountain City.
BLACK, VIOLA.....	Greenfield.
BENTON, MARJORIE.....	Indianapolis.
BERRY, CARL RAYMOND.....	Carthage.
BISHOP, W. HOMER.....	Russlerville.
BLACKLIDGE, ALLEN THRASHER.....	Rushville.
BLACKLIDGE, ETHEL.....	Rushville.
BLACKMAN, EARL AUSTIN.....	Lisbon.
BOND, LORA MAE.....	Indianapolis.
BOOE, GENEVIEVE.....	Kingman.
BOONE, ARTHUR.....	Greenfield.
BOSTON, FLOYD.....	Indianapolis.
BOSTON, MAUDE.....	Indianapolis.

BOTTSFORD, MARION.....	Greenfield.
BOYD, MABEL.....	Indianapolis.
BRADEN, FANNIE J.....	Indianapolis.
BRAGG, MARY.....	Indianapolis.
BRANHAM, ALICE.....	Indianapolis.
BREADHEFT, JESSIE GLADYS.....	Indianapolis.
BROWDER, CLIFFORD H.....	Indianapolis.
BROWN, LOIS STEVENS.....	Indianapolis.
BROWN, MARTHA LOUISE.....	Indianapolis.
BURKHARDT, CARL ALONZO.....	Tipton.
BURKHARDT, JOHN WESLEY.....	Indianapolis.
BUSSELL, BORGIA FERN.....	Morristown.
CARNEY, NELLIE MAY.....	Indianapolis.
CARSON, CONWELL BURNSIDE.....	Boggs town.
CLARK, FLORENCE ETTA.....	Indianapolis.
CLARKE, IRA D.....	Edinburg.
CLIFFORD, JEANETTE.....	Indianapolis.
COLBURN, LULU.....	Noblesville.
COLLINS, HAZEL LOTUS.....	Indianapolis.
CONWAY, WILLIAM OAKLEY.....	Indianapolis.
CRUSE, GLENN.....	Zionsville.
CRUTCHFIELD, LILLIAN LEE.....	Indianapolis.
CULLEN, JOHN.....	Indianapolis.
DANIELS, ELVIN.....	Indianapolis.
DAWSON, JAMES MADISON.....	Indianapolis.
DAVENPORT, FRED.....	Indianapolis.
DAVIDSON, BESSIE.....	Indianapolis.
DAVIDSON, NONA.....	Zionsville.
DAVISON, FRANK E.....	Brownsburg.
DEVANEY, BLANCHE ORPHA.....	Indianapolis.
DEWALD, EVA.....	Indianapolis.
DOREMUS, MARIEL.....	Indianapolis.
DOWNES, MARIE.....	Indianapolis.
DUDEN, MARGARET KAROLA.....	Indianapolis.
DUVALL, SYLVESTER.....	Indianapolis.
EATON, MARIE A.....	Indianapolis.

EDGINGTON, GENEVRA FRANCES.....	Boulder, Colo.
EMPSON, MATTIE.....	Brownstown.
FORSYTH, HAIDEE.....	Indianapolis.
FORTNER, EDITH ELIZABETH.....	New Augusta.
FRANC, SAMUEL E.....	Worcester, Mass.
FREDERICK, OSCAR.....	Decker.
FRICK, FLORA MARGARET.....	Indianapolis.
FULLER, HAROLD CONLON.....	Indianapolis.
GABBERTS, HOLMES RUSSELL.....	Vallonia.
GAINNEY, GLADYS.....	Indianapolis.
GAWNE, KATHERINE.....	Indianapolis.
GIVENS, WILLARD E.....	Anderson.
GOE, PERCY F.....	Indianapolis.
GRAY, BIRDIE.....	Cumberland
GRIER, ALBERT.....	Bellevue, Pa.
HADLEY, CLARA.....	Indianapolis.
HAMMOND GLADYS ELEN.....	Indianapolis.
HAMP, HENRY ADAM.....	Indianapolis.
HAMP, ROBERT JOHANNIS.....	Malott Park.
HANNA, MARY.....	Wilkinson.
HANWAY, OTTA.....	Monticello.
HARTLEY, ALONZO ALBERT.....	Indianapolis.
HASTINGS, DANIEL ADOLPHUS.....	Springfield, Jamaica.
HECKER, SIDNEY ERNESTINE.....	Indianapolis.
HEINRICHS, NELSON.....	Indianapolis.
HENDRICKSON, RUTH.....	Indianapolis.
HESSONG, SYLVIA ELIZA.....	Broad Ripple.
HIATT, FRED W.....	Sheridan.
HIBBEN, PRISCILLA HAZEN.....	Indianapolis.
HIGHAM, ELMO BENTON.....	Brownsville.
HINMAN, JACK, JR.....	Indianapolis.
HOLDEN, EDITH JANE.....	Rushville.
HOLDEN, TECO.....	Rushville.
HOLLADAY, CLARA ELENORA.....	Indianapolis.
HOOVER, BEATRICE F.....	Bridgeport.
HORN BROOK, FRANK I.....	Indianapolis.

HOWE, HAZEL GEORGIANA.....	Indianapolis.
HUBBARD, MARY MARGUERITE.....	Indianapolis.
HUGHES, HILDRED.....	Indianapolis.
HUNT, IRENE.....	Indianapolis.
HUNTINGTON, IRENE MARGUERITE.....	Cumberland.
HURST, PAUL C.....	Connersville.
HUSSEY, LORA.....	Zionsville.
HYMAN, HERBERT ROBERT.....	Indianapolis.
JACKSON, JOSEPH HAYES.....	Indianapolis.
JACOBS, FRED.....	Bargersville.
JOHNS, EVERTS.....	Indianapolis.
JONES, RAY V.....	Cromwell.
KANTZ, ABBIE.....	Indianapolis.
KASSEBAUM, CLAUDE.....	Indianapolis.
KEACH, BENJAMIN H.....	Brownstown.
KIDWELL, GLADYS.....	Elwood.
KINCAID, MARTHA MAY.....	Indianapolis.
KINGSBURY, LAYMAN DWIGHT.....	Indianapolis.
KIRKHOFF, LOUIS.....	Indianapolis.
KIRKPATRICK, LAURA.....	Indianapolis.
KOONTZ, WEEDEN.....	Sidney.
KRAMER, RUTH HELENA.....	Indianapolis.
LAVANCHY, IVA OLIVE.....	Indianapolis.
LEAK, DENIE SEATTLE.....	Lizton.
LEAK, EDITH ELIZA.....	Indianapolis.
LEECH, GARLAND.....	Indianapolis.
LEITCH, ANDREW.....	Kilmartin, Ontario.
LETT, HARRY F.....	Wheatland.
LINTON, ERNEST.....	Cumberland.
LLOYD, ALLEN HENRY.....	Indianapolis.
LOGAN, LEON.....	Charleston. Ill.
LOY, GLENN DEWITT.....	Indianapolis.
MCBRIDE, MARY S.....	Indianapolis.
MCCLARNON, JULIA.....	Greenfield.
MCCORD, ADILDA.....	Indianapolis.
MCCORD, BERTHIA.....	Oaklandon.

MCCORD, JAMES EDMON.....	Indianapolis.
MCCORD, MARY E.....	Indianapolis.
MACFATRIDGE, MABEL.....	Atlanta.
MCCULLOUGH, MARY EDNA.....	Salem.
MCHATTON, FLORENCE.....	Indianapolis.
MCKAY, ROBERT JAMES.....	Bellevue, Pa.
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SUMMARY.

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	<hr/>
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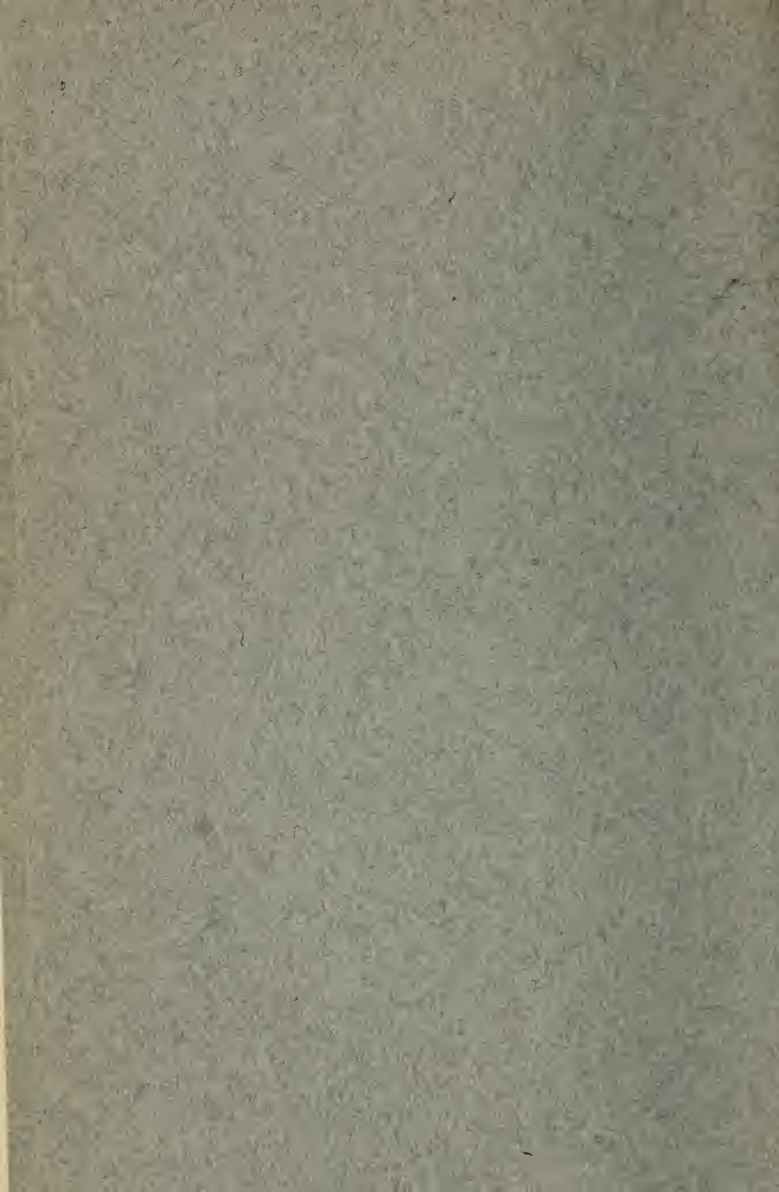


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COLLEGE CALENDAR

SUMMER TERM, 1911

June 19.....Monday.....Registration.
June 20.....Tuesday.....Instruction Begins.
July 28, 29.....Friday,Saturd'y.Examinations and Close of Summer Term.

FALL TERM, 1911

Sept. 19.....Tuesday.....Registration and Assignment of Work.
Sept. 20.....Wednesday.....Instruction Begins.
Oct. 11.....Wednesday.....Quarterly Meeting Board of Directors.
Nov. 23-25.....Thursday-Sat...Thanksgiving Vacation.
Dec. 5, 6.....Tuesday, Wed...Registration for Winter Term.
Dec. 14 16.....Thursday-Sat...Term Examinations and Close of Fall Term.

WINTER TERM, 1912

Jan. 2.....Tuesday.....Registration and Assignment of Work.
Jan. 3.....Wednesday.....Instruction Begins.
Jan. 10.....Wednesday.....Quarterly Meeting Board of Directors.
Feb. 7.....Wednesday.....Founder's Day.
March 12, 13....Tuesday, Wed...Registration for Spring Term.
March 21-23.....Thursday-Sat...Term Examinations and Close of Winter Term.

SPRING TERM, 1912

March 28.....Thursday.....Registration and Assignment of Work.
March 29.....Friday.....Instruction Begins.
April 10.....Wednesday.....Quarterly Meeting Board of Directors.
May 13.....Monday.....Normal Course for Teachers Begins.
June 15, 17, 18...Sat., Mon., Tue..Term Examinations.
June 16.....Sunday.....Baccalaureate Sermon.
June 18.....Tuesday.....President's Reception.
June 19.....Wednesday.....Alumni Reunion and Class-Day Exercises.
June 20.....Thursday.....Fifty-Seventh Annual Commencement.

SUMMER TERM, 1912

June 24.....Monday.....Registration.
June 25.....Tuesday.....Instruction Begins.
August 2, 3.....Friday,Saturd'y.Examination and Close of Summer Term.

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Ph. B., Butler College, 1889; A. M., *ibid.*, 1893; Student, University of Berlin, 1890-'92; Graduate Student, Harvard University, 1896-'99; A. M., *ibid.*, 1897; Ph. D., *ibid.*, 1899; Instructor in German, *ibid.*, 1898-'99; Instructor in German and Latin, Butler College, 1889-'90; Armstrong Professor of Germanic Languages, *ibid.*, 1890-1910; Dean, Butler College, 1907-'08; President Butler College, 1908-—.

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A. B., Bethany College, 1848; A. M., *ibid.*, 1849; Professor of Latin and Greek, Northwestern Christian University, 1855-'61; President Northwestern Christian University, 1861-'68; President Alliance College, 1869-'71; LL. D., Butler College, 1871; Chancellor University of Nebraska, 1871-'76; Professor of Philosophy, Butler College, 1876-'96; President Butler College, 1886-'91.

SCOT BUTLER, A. M., LL. D., Professor of Latin Language and Literature, Emeritus. (124 Downey Avenue.)

A. B., Northwestern Christian University, 1868; A. M., *ibid.*, 1870; Student Classical Philology, University of Halle, and University of Berlin, 1873-'75; LL. D., Butler College, 1896; Instructor in Latin and Mathematics, Indiana University, 1869-'72; Professor of Latin, Butler College, 1871-1907; President Butler College, 1891-1904; 1906-'07.

*HENRY LANE BRUNER, A. B., Ph. D., Professor of Biology and Geology. (360 South Ritter Avenue.)

A. B., Abingdon College, 1880; Student Sheffield Scientific School, Yale College, 1880-'81; Assistant in Marine Investigations of U. S. Commission of Fish and Fisheries, 1881-'84; Student of Comparative Anatomy, University of Freiburg, Baden, 1895-'97; Ph. D., *ibid.*, 1896; Professor of Natural Sciences, Abingdon College, 1881-'84; Professor of Natural Sciences, Eureka College, 1884-'86; Professor of Biology and Geology, Drake University, 1891-'92; *idem*, Butler College, 1892-—.

JABEZ HALL, A. M., Professor of Homiletics and Theology (28 South Irvington Avenue.)

A. B., Bethany College, 1865; A. M., Butler College, 1898; Pastor Christian Church, Wheeling, W. Va., 1866-'72; Cleveland, Ohio, 1872-'89; Richmond, Va., 1889-'97; Professor of Homiletics and Theology, Butler College, 1897-—.

*On leave of absence, 1910-'11.

*CHRISTOPHER BUSH COLEMAN, A. B., B. D., Professor of History. (33 Downey Avenue.)

A. B., Yale University, 1896; Auburn Theological Seminary, 1896-'97; Chicago Theological Seminary, 1897-'98; Divinity School, The University of Chicago, 1898-'99; B. D., *ibid.*, 1899; Student, University of Berlin, 1904-'05; Professor of Church History and Acting Professor of History, Butler College, 1900-'09; Professor of History, *ibid.*, 1909-—.

ELIJAH NEWTON JOHNSON, A. M., M. S., Professor of Mathematics. (304 Downey Avenue.)

A. B., Drake University, 1893; A. M., *ibid.*, 1895; M. S., University of Kansas, 1904; Professor of Mathematics, Campbell University, 1893-1903; Graduate Student in Mathematics and Astronomy, The University of Chicago, 1902-'03; Graduate Student in Mathematics and Physics, University of Kansas, 1903-'04; Graduate Student in Mathematics and Astronomy, The University of Chicago, 1905; Acting Professor of Mathematics, Butler College, 1904-'09; Professor of Mathematics, *ibid.*, 1909-—.

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Student, University College, London, 1886-'90; Instructor in Chemistry, Oswestry High School (England), 1890-'91; Instructor in Chemistry, Birbeck Institute (London), 1891-'93; British Museum, 1893-'95; The University of Chicago, 1896-'97; B. S., *ibid.*, 1896; Instructor in Chemistry, University of Missouri, 1897-1905; Student with Sir Wm. Ramsay, University College, London, 1907-'08; Professor of Chemistry, Butler College, 1905-—.

JOHN SAMUEL KENYON, A. M., Ph. D., Demia Butler Professor of English Literature. (70 Layman Avenue.)

A. B., Hiram College, 1898; A. M., The University of Chicago, 1903; Fellow in English, *ibid.*, 1903-'04; University Scholar, Harvard University, 1905-'06; Thayer Scholar, *ibid.*, 1906-'07; Teacher in public schools, Medina, O., 1892-'93; Teacher of Greek, Latin and English, West Kentucky College, 1898-'99; Professor of Greek and Hebrew, Christian University, Canton, Mo., 1899-1901; Assistant in English, Harvard University, 1905-'06; Ph. D., *ibid.*, 1908; Professor of English, Butler College, 1906-—.

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A. B., Butler College, 1878; A. M., Indiana University, 1883; Instructor in Indiana University, 1883-'84; Graduate Student, Radcliffe, 1885-'86; Professor of Greek, Hastings College,

*On leave of absence, 1911-'12.

1888-'91; Instructor, Oakland High School, 1891-'98; Graduate Student, The University of Chicago, 1898-'99; Professor of English, Oahu College, 1900-'07; Acting Professor of Greek, Butler College, 1907-'09; Catharine Merrill Professor of English Literature, *ibid.*, 1909- —.

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Ph. B., Illinois College, 1894; Graduate Student, The University of Chicago, 1895, and Summer Quarters, 1897, 1900, 1901 and 1903; Instructor in History and Political Science, Illinois College, 1894-'98; Assistant Professor (in charge) of History and Economics, *ibid.*, 1898-1903; Fellow, Cornell University, 1902-'03; A. M., *ibid.*, 1903; Assistant and Graduate Student, University of Wisconsin, 1903-'04; Ph. D., *ibid.*, 1909; Instructor in Economics and Sociology, Northwestern University, 1904-'06; Instructor in Economics, University of Missouri, 1906-'09; Professor of Economics and Political Science, Butler College, 1909- —.

GEORGE HENRY DANTON, A. B., Ph. D., Armstrong Professor of Germanic Languages.

A. B., Columbia University, 1902; Assistant in Comparative Literature, *ibid.*, 1902-'03; Austin Teaching Fellow in German, Harvard University, 1903-'04; Ottendorfer Fellow (New York University) Student, Berlin and Munich, 1904-'05; Ph. D., Columbia University, 1907; Instructor in German, College for Women, Western Reserve University, 1905-'07; Acting Assistant Professor of German, Leland Stanford, Jr., University, 1907-'10; Armstrong Professor of Germanic Languages, Butler College, 1910- —.

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Ph. B., Cornell University, 1899; Graduate Scholar, Sage School of Philosophy, Cornell University, 1900-'01; A. M., *ibid.*, 1901; Instructor in Latin and German, Wilson School for Boys, Fishkill-on-Hudson, 1901-'03; Graduate Student in Philosophy, Cornell University, 1903-'05; Ph. D., *ibid.*, 1905; Instructor in Philosophy, Sage School of Philosophy, 1905-'06; Instructor in Philosophy, Princeton University, 1906-'07; Instructor in Philosophy, Cornell University, 1907-'09; Assistant Professor of Philosophy, Hamilton College, 1909-'10; Professor of Philosophy and Education, Butler College, 1910- —.

GEORGE CHARLES EMBODY, M. S., Ph. D., Acting Professor of Biology. (143 South Ritter Avenue.)

B. S., Colgate University, 1900; M. S. *ibid.*, 1901; Instructor in Science, Delaware Literary Institute, 1901-'02; Instructor in Science, Bradford High School, Pennsylvania, 1902-'03;

Professor of Natural Science, Bethel College, 1903-06; University Scholar, Johns Hopkins University, 1906-07; Acting Professor of Biology, Randolph-Macon College, 1907-08; Graduate Student, Cornell University, 1908-10; Instructor in Vertebrate Zoology, *ibid.*, 1909-10; Instructor in Ornithology, Summer Session, *ibid.*, 1909-10; Ph. D., *ibid.*, 1910; Acting Professor of Biology, Butler College, 1910-11.

HENRY MILLS GELSTON, A. B., Professor of Latin Language and Literature.

A. B., University of Michigan, 1900; Student, American School of Classical Studies, Rome, 1900-'01; Teacher of Latin in High School, Bay City, Michigan, 1901-'06; Graduate Student of Classics, University of Michigan, 1906-'10; Acting Professor of Latin Language and Literature, Butler College, 1910-'11; Professor of Latin Language and Literature, *ibid.*, 1911- —.

WILLIAM CHARLES MORRO, A. M., Ph. D., Reeves Memorial Professor, Head of the Department of Ministerial Education.

A. B., Transylvania University, 1898; A. M., *ibid.*, 1903; B. D., Yale University, 1904; Ph. D., Harvard University, 1906; Williams Fellow, Harvard University, 1905-'06; Professor of Christian History and Doctrine, College of the Bible, Lexington, Ky., 1906-'11; Dean, *ibid.*, 1910-'11; Reeves Memorial Professor, Head of the Department of Ministerial Education, Butler College, 1911- —.

EDWARD MARTIN GREENE, A. M., Assistant Professor of Romance Languages.

A. B., Harvard University, 1903; Student at Rouen, France, 1896-'97; Instructor in German, High School, Watertown, Massachusetts, 1903-'05; Head of the French Department, Cheshire School, Cheshire, Connecticut, 1905-'07; Head of the French Department, Hotchkiss School, Lakeville, Connecticut, 1907-'09; Teaching Fellow in French, University of Wisconsin, 1909-'10; A. M., *ibid.*, 1910; Assistant Professor of Romance Languages, Butler College, 1910- —.

JAMES GARFIELD RANDALL, A. M., Ph. D., Acting Professor of History.

A. B., Butler College, 1903; A. M., University of Chicago, 1904; Graduate Student, University of Chicago, 1907-'11; Instructor in History and Political Science, Illinois College, 1907-'08; Assistant in American History, University of Michigan, 1908-'09; Fellow in History, University of Chicago, Summer and Fall, 1909; Instructor in History and Political Science, Syracuse University, 1910-'11; Ph. D., University of Chicago, 1911; Acting Professor of History, Butler College, 1911- —.

CORNELIA ADELLE ALLEN, A. M., Instructor in English. (30 Audubon Place.)

Ph. B., Hiram College, 1892; Graduate Student in English, Buchtel College, 1893-'94; Graduate Student in English, Philosophy and History, The University of Chicago, 1894-'96; A. M., Hiram College, 1897; Teacher in Akron, O., Public Schools, 1892-'93; Instructor in English and History, Lockland, O., High School, 1897-1900; Principal, *ibid.*, 1900-'01; Instructor in English and History, Butler College, 1901-'07; Instructor in English, Butler College, 1907-—.

ANNA FRANCES WEAVER, A. M., Instructor in Modern Languages.

A. B., Leland Stanford, Jr., University, 1898; A. M., *ibid.*, 1899; Student, Universities of Leipzig and Zurich, 1899-'01; Fellow and Instructor, Leland Stanford, Jr., University, 1902-'03; Principal, Private School, Logansport, Ind., 1903-'06; Joint Principal, Girls' Classical School, 1906-'10; Instructor in Modern Languages, Butler College, 1910-—.

MYRTLE LEWELLYN TAYLOR, Instructor in Art.

Assistant Indianapolis High School, 1893-'94; Special Drawing Teacher, Graded Schools, Indianapolis, 1895-'96; Principal of Art Department, Greenville College, 1897-'99; Butler College, 1900-—.

CARL BROSIUS SPUTH, Director of Physical Training.

Graduate Student, Normal College of N. A. G. U., 1904; Supervisor of Physical Training, Public Schools, Leadville, Colorado, 1904-'06; Director of Social Turnverein, Indianapolis, Indiana, 1906-'10; Instructor, Butler College, 1906-'07; Instructor, Normal College of N. A. G. U., 1907-'10; Director of Physical Training, Butler College, 1909-—.

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Butler College operates under a special charter granted by the Indiana Legislature in 1849. This charter is ample for university purposes, as will be seen from the following clause defining the purposes and scope of the institution:

The objects and purposes contemplated by this act of incorporation are hereby declared to be, to establish, found and build up, maintain, sustain and perpetuate at or in the vicinity of Indianapolis, in the State of Indiana, an institution of learning of the highest class, for the education of the youth of all parts of the United States, and especially the States of the Northwest; to establish in said institution departments or colleges for the instruction of the students in every branch of liberal and professional education; to educate and prepare suitable teachers for the common schools of the country; to teach and inculcate the Christian faith and Christian morality as taught in the Sacred Scriptures, discarding as uninspired and without authority all writings, formulas, creeds and articles of faith subsequent thereto; and for the promotion of the sciences and arts."

This charter went into effect January 15, 1850. Funds were subscribed by members of the Christian churches and citizens of Indiana, and the College opened its doors November 1, 1855, in the old Northwestern Christian University buildings in what is now College avenue, the City of Indianapolis. The College of Liberal Arts, opened at that time, has had an uninterrupted existence, and from time to time the institution, either through affiliation or by act of its own directors, has conducted professional schools and carried on university work. At the present time the directors have thought best to concentrate their efforts on the School of Liberal Arts, and at the same time, by husbanding resources and collecting additional funds, to prepare to add departments, as circumstances may warrant.

The general control of the institution's affairs is vested in a

self-perpetuating Board of twenty-one directors. In 1873 the Board determined to remove to Irvington. It was felt that a suburb, withdrawn somewhat from the distractions of the city, and yet enjoying all the advantages of the capital city, would afford a more desirable place of residence for students. In 1875 instruction of the College classes was begun in the new location.

The name of the institution was changed from Northwestern Christian University to Butler University, February 28, 1877, in recognition of the benefactions of Ovid Butler. This change did not affect any chartered obligations of the corporation in respect to the property or graduates, or its purposes, all of which have been determined by a legislative act and the recorded resolutions of the Board of Directors.

By resolution of the Board of Directors April 8, 1896, the name "Butler College" was adopted in lieu of "Butler University," to designate the undergraduate academic department, which is the only part of the comprehensive plan outlined in the charter that has as yet been realized. The legal name of the corporation, however, remains unchanged.

At the triennial election of Directors, June 17, 1909, the stockholders voted to make the newly elected Board of Directors self-perpetuating. This action was taken under a statute enacted by the General Assembly of Indiana in its session of 1909. By the provisions of the same statute the college was enabled to proceed to retire the stock of the corporation on the consent of two-thirds of all outstanding stock. More than two-thirds of the outstanding stock of the institution having subscribed to this agreement, the Directors are now authorized to take this action and are receiving stock assignments for this purpose.

Present Finan- Another forward step has recently been taken
cial Condition. by the Board of Directors, who, realizing the increasing needs of the institution, have been able to secure an additional endowment of \$250,000. This was made possible through the generosity of Joseph I. Irwin, a director of the corporation, who offered \$100,000 provided a total of \$250,000 was secured.

Andrew Carnegie offered the last \$25,000 necessary to secure this endowment. Marshall T. Reeves, a director, subscribed \$30,000, and Charles T. Whitsett gave property netting the College \$12,500 toward the fund, which was completed March 25, 1907, by an energetic effort made by the alumni, citizens of Indianapolis, students in attendance and other friends of the institution. The directors propose to use all funds at their command to increase the efficiency of the courses of study offered, and to make such additions thereto as may be possible.

The property of the corporation is therefore in a very satisfactory shape. Its endowment has always been kept well invested, yielding an assured income. The affairs of the corporation are in the hands of a Board of Directors devoted to its interests, wise and conservative in all their views, and thorough and prudent in the administration of the trust committed to them. The demands made upon an institution of learning at the present day are greater than ever before. The College is yet insufficiently endowed to meet these demands, and it is hoped that the generous spirit which created and has hitherto sustained it will prompt further provision for its development.

Memorial Gifts. The Board of Directors would encourage gifts in the form of endowments of various chairs of instruction. The sum of \$30,000 will endow a professorship which will perpetually bear the name of the donor, or of the one in whose memory it is established. In this way the Jeremy Anderson Chair of Greek, the Demia Butler Chair of English Literature, and the Addison F. Armstrong Chair of Germanic Languages have been established and endowed. The English department has been enlarged and strengthened by the establishment of the Catharine Merrill chair. This gift to the College, made by grateful students and friends, is a memorial to the name it bears, and is to be devoted to the teaching of English literature. Mr. Marshall T. Reeves has endowed the Reeves chair of Biblical Literature as a memorial to his father and mother.

Smaller amounts can be devoted to equally useful purposes.

Subscriptions of \$1,000 to \$5,000 can be devoted to the founding of scholarships for the benefit of deserving young people who stand in need of assistance, and of prizes for the reward and encouragement of the ambitious, or to library endowments for particular departments.

Training of Teachers. By action of the State Board of Education, Butler College has been "accredited" under the school laws of 1907 for all classes fixed by the statute, i. e., A, B, C.

Religious Influence. The purpose of the founders, expressed in their act of incorporation, was to establish an institution of learning which would "teach and inculcate the Christian faith and Christian morality as taught in the sacred Scriptures." A course of study in the English Bible is offered to all candidates for a degree. All students are required to attend the regular chapel exercises. The institution has always been religious in spirit; by the terms of its charter it must always be so.

STUDENT ACTIVITIES

Christian Associations. The Young Men's Christian Association and the Young Women's Christian Association are voluntary organizations of students and instructors for the promotion of religious culture and for Christian work in College. Their members are sincere and energetic, and always extend to new students a very cordial welcome. The two associations hold prayer meetings every week, thus greatly assisting in maintaining Christian zeal among the students. A committee from each of these associations is in attendance during the first week of the Fall term for the purpose of assisting those entering college with information in regard to rooms, etc., and in general to afford any assistance in their power, which students who are strangers in Irvington may feel inclined to seek from them. The Y. M. C. A. and the Y. W. C. A. unite in a social given at the beginning of each term, to which all students are invited. This affords opportunity for old students to welcome new, and for all to cultivate more intimate acquaintance. All students who are church members are eligible to active membership in these associations. Students not identified with any church may become associate members.

College Paper. A weekly paper, called "The Butler Collegian," is published in the interest of the students of Butler College, to give the College news and to reflect student opinion. It is edited by representatives of the various College classes. Students and graduates are cordially invited to contribute illustrations, articles, verses, letters and information.

Debates. It is customary for the College to participate in an intercollegiate debate each year. The College desires thus to foster the interests of debating by discussing in public leading questions of the day. In the year 1910-'11 a dual debate was held between Miami University and Butler College.

Oratorical Contests. Seven colleges, of which this institution is one, compose the Indiana State Oratorical Association. The local association is composed of members of the College classes. The object of this association is to advance oratory by encouraging students to write and deliver orations. Preliminary contests are held annually to decide upon a representative for the State contests. Contestants are judged on thought, composition and delivery. The contestant receiving the highest average award by the judges represents the College at the State contest. The successful contestant in the State contest represents the State of Indiana in the Interstate contest, composed of ten Western States.

In the year 1910-'11 still another oratorical contest was held at Miami University, Oxford, Ohio, in which representatives from Miami University, Ohio State University, DePauw University and Butler College took part.

Literary Society. The Philokurian Literary Society, organized in 1876, holds weekly meetings in its hall at the College. Its membership was originally confined to young men, but later young women have also been admitted. The society is in a prosperous condition.

The Lotus Club. This is an association whose object is the bringing together socially of the young women in College, thus encouraging friendly intercourse among them. The club is governed by an executive board, elected at the end of each year.

The Sandwich Club. The young men of the College interested in religious work are associated in an organization styled as above. Social meetings are held fortnightly, when luncheon is served, business attended to, and a prepared program rendered. Prominent religious leaders are often present at these meetings to address students on the various phases of church work.

Dramatic Club. The Dramatic Club, for men and women, has for its purpose the promotion of college dramatics.

Athletics. Various forms of athletics common in colleges are carried on at Butler College under the supervision of well-trained directors. The purpose is to give proper physical training to as large a proportion as possible of the student body, to enliven the college life with wholesome recreation, and to develop those manly qualities which are brought out in a good game well and fairly played. Baseball, football, basketball and track teams are supported by the Athletic Association. There is a board of control composed of two members of the faculty, one alumni member and two students.

Irwin field, adjoining the campus, affords facilities for all outdoor games.

Regular gymnastic work in the gymnasium is required of all students in the two lower classes, and is directed by a competent instructor. The campus is well equipped with tennis courts, to which students have access.

Intercollegiate Contests. No student is eligible to represent the College in any contest, (a) who is not carrying at least two major courses during the term in which such contest occurs; (b) who has failed to secure credits in at least two major courses during the preceding term (but this is not to exclude new students); (c) who fails to do his work during the current term to the satisfaction of his instructors; or (d) who enters College later than the third week of the term.

LOCATION AND BUILDINGS

Location. Indianapolis is not only the capital of the State, but its intellectual, literary, commercial and geographical center. Railroads radiating in every direction and the growing system of interurban electric cars make it the most easily accessible point in Indiana or any of the adjoining States. Indianapolis affords unique advantages as to location for a college. The best musical entertainments and the most noted lecturers are here brought within reach of the students. The College is located at Irvington, a pleasant and healthful residence suburb, reached by the East Washington street electric cars. Irvington is within the city limits of Indianapolis and is regarded as a most attractive place for suburban residence. Its population consists largely of those who have been drawn thither by educational inducements. This gives it a special character of cultivation and good order, while as a home for students it is singularly free from the temptations and dangers often surrounding college life. There are no drinking saloons in the vicinity.

Main College Building. The main college building is of brick, trimmed with stone, having a frontage of 135 feet and a depth of 75 feet, containing eighteen recitation rooms, besides the administrative offices, the College chapel, literary society and Y. M. C. A. halls, cloak and retiring rooms. It is heated throughout by steam, lighted by electricity, and in its internal finish and arrangements is well suited to the purposes for which it was designed.

Science Hall. The Science hall is three stories high, constructed of brick and trimmed with stone. It has a frontage of 100 feet and a depth of 75 feet. It contains six large recita-

tion rooms, the museum hall, the Athenæum hall, and the chemical, physical and biological laboratories.

The museum contains abundant material for illustrating the sciences of Zoology, Mineralogy and Geology. Some of the materials have been obtained by purchase, some have been contributed by the friends of the institution and some by the National Museum, while a considerable portion has been collected by the professors who have occupied the chairs in this department. The museum contains the following collections:

1. A series of fossils and rocks illustrating the geology of the Mississippi Valley, especially that of Indiana and Ohio.

2. A collection of fresh water fishes of the United States, made principally by Drs. David Starr Jordan and O. P. Hay, when they were professors of Biology in Butler College.

3. A series of marine fishes from the United States National Museum.

4. Reptiles and amphibians of Indiana, collected by Dr. Hay and others.

5. A large collection of representative minerals.

6. Land, fresh water and marine shells, including about four thousand specimens.

7. A considerable number of aboriginal stone implements from the United States.

8. A collection of marine invertebrates, mainly from the New England coast, deposited by Professor Bruner.

9. Marine invertebrates from the Atlantic, Gulf and Pacific coasts, presented by the National Museum and the Fish Commission.

The biological laboratory is well equipped and has its own working library. Additions are being constantly made to the apparatus and equipment of these laboratories.

The chemical laboratories are conveniently arranged and well equipped with ample apparatus.

Bona Thompson Memorial Library. The library building was erected during the year 1903, by the liberality of the late Mr. and Mrs. E. C. Thompson, in memory of their daughter, Bona Thompson, who was a graduate of Butler in the class of 1897. The building is constructed of Bedford limestone and gray brick, and is of fireproof construction. The book-stack room, filled with steel stacks, has a capacity of 60,000 volumes. The College library at present contains about 16,000 volumes, chosen with special reference to the needs of students, in addition to extensive files of valuable government reports and documents. Every year there are added by purchase the latest and best works in the several departments. The encyclopedias, lexicons and other works of reference are numerous, and represent the best and most modern scholarship.

By a special arrangement with the Indianapolis City Library Board, a free daily delivery of books from the city library to the College library has been established, so that students now have free and convenient access to libraries aggregating not less than 160,000 volumes. In addition to this the State Library, containing 53,400 volumes and located in the State House, is open to students, who will find it valuable for special research.

The reading room receives regularly the best publications, weeklies, monthlies and quarterlies of this country and Europe. The advantages of the library and reading room are open alike to all classes of students in the College.

Astronomical Observatory. The astronomical observatory, located in the northeast corner of the campus, embodies in its construction the conveniences necessary for the efficient use of the equatorial telescope which it contains. The building has a revolving dome, with sliding panel giving unobstructed sky-view from horizon to zenith. The telescope is equatorially mounted by Fauth & Co., of Washington, with the usual adjuncts of declination and hour circles, and clock-work for diurnal rotation. The object glass of six inches diameter was made by the

firm of Alvin Clark & Sons, of Boston. The focal distance of the object glass is eight feet, and the magnifying power of the instrument ranges from seventy to five hundred diameters.

College Residence. This attractive and comfortable home for young women students is a substantially constructed brick building, located on the campus in close proximity to the lecture halls and laboratories. It is heated by steam and lighted by electricity, and is equipped with modern conveniences. The rooms contain all necessary furniture, but students provide their own bed linen, towels and toilet articles, and any decorations desired. The rooms are entirely cared for by competent maids.

The dining-room service is directly under the control of the College, and all possible pains are taken to make the meals wholesome and attractive.

The Head of the Residence has general oversight of the young women living there. She will be glad to answer inquiries of parents concerning the progress of their daughters. The advantages of this home are offered to young women at lower rates than those at which approximately equal advantages may be obtained in private residences. The Residence is maintained solely for the accommodation of young women who, coming from a distance to attend the College, must find boarding places in Irvington; and all such are required to make their home there unless for some reason special permission to do otherwise is granted by the President; in all cases of assignment of young ladies to other homes than the Residence, the consent of the President must first be obtained. This rule admits of no exceptions.

For special circular showing plan of building and giving detailed information about rooms, address the Head of the Residence.

Gymnasium. The gymnasium building, built of red brick and limestone, contains a main exercising hall thirty-five by fifty-eight feet, well ventilated and lighted, with double oak floor and high ceiling. There are bathrooms, with hot and cold water,

lockers, and necessary accommodations for the students who use the gymnasium, and also for the athletic teams. Certain hours are set apart for the use of the gymnasium by the young women.

The power house, containing the electric lighting plant and the furnaces and boilers by which all the College buildings are heated, is a part of the gymnasium building.

EXPENSES AND PRIZES

The College year consists of three terms of twelve weeks each. The fees payable to the College on account of instruction, library and incidentals, exclusive of laboratory fees, amount to \$20.00 per term for three or for two subjects. For a single subject \$11.00 will be charged. Students undertaking a fourth subject of study will pay \$6.00, in addition to the regular fee, for a major course, or \$3.00 for a minor. In addition the following extra charges are made: Special student, \$3.00 (except as provided on page 34). In the departments of Biology, Chemistry and Physics, laboratory fees, ranging from \$1.50 to \$4.00, to cover cost of materials used and ordinary wear on apparatus. Students are required to pay for apparatus broken or injured. For a special examination a fee of \$1.00 is charged. For each day's delay in registering after the date appointed (see College Calendar, page 3), a fee of \$1.00 is charged; the total, however, is not to exceed \$3.00. For a change of registration, after a registration card has once been issued, a fee of \$1.00 is charged. For the Bachelor of Arts' diploma a fee of \$5.00 is charged; for the Master of Arts' diploma, \$10.00. Graduating fees must be paid before the conferral of degrees.

Term bills must be paid at the beginning of each term. In case of the absence of a student for half or more than half of the term, one-half of the fee paid by him for that term may be credited on a future term.

Expenses of Following are estimates of yearly expenses for
Residence. the session of thirty-six weeks:

	Lowest	Average	Liberal
Fees	\$ 60.00	\$ 60.00 (with Lab.)	\$ 69.00
Room	27.00	36.00	54.00
Board	72.00	126.00	126.00
Books	10.00	15.00	20.00
	<hr/>	<hr/>	<hr/>
	\$169.00	\$287.00	\$269.00

The above "average" and "liberal" estimates for board and room are based on the rates charged at the College Residence,

where rooms may be obtained by young ladies at prices ranging from \$9 to \$18 per term of twelve weeks, and table board is furnished at \$42 per term. Room rent at the Residence is payable in advance at the beginning of the term, and no rebate is allowed if the room is vacated before the end of the term. Board bills for the term are payable in three equal installments. No reduction is made for occasional absences.

Board and rooms may be obtained in private families at somewhat higher rates. Students who feel it necessary to curtail expenses as much as possible will find rooms to let at lower rates, with facilities for independent housekeeping, or opportunity for the formation of clubs.

Aid and Self-Support. While the College can not guarantee employment to students desiring to earn their way, its officers will gladly do all within their power to assist students in securing profitable employment. In a city of the size of Indianapolis there is always work to be done, and a student who is energetic, determined and self-reliant need have no fear but that he can earn enough to meet either part or all of his expenses.

Ministerial students will find here exceptional facilities for self-support, owing to the location of the College at the center from which railways and interurban electric lines radiate to all parts of the State, and the large number of churches within a convenient distance which depend upon student preaching. The College always has more calls for preachers than it can supply.

Prizes. Prize medals, through the generosity of the Hon. Addison C. Harris, have been provided to be given to the orator and the debaters representing Butler College in intercollegiate contests.

REGISTRATION AND ENTRANCE

Butler College offers its advantages to the following classes of students:

Regular College Students. (For requirements for admission and graduation, see pages 28-40.)

Special Students, not candidates for a degree. (See page 34.)

Ministerial Students, who may be either graduates or special students.

Graduate Students, who must have the baccalaureate degree from Butler College, or some institution of similar rank, and who may become candidates for the degree of Master of Arts or Master of Science. (See page 38.)

Art Students, who may or may not be doing academic work also. (See page 76.)

Students in the Extension Courses, who attend weekly classes held in a central location in Indianapolis, and who may or may not be candidates for a degree. (See page 85.)

Normal Students, who are qualifying for the teaching profession under the State law.

Classification. Students are not classified on the records of the College except as above indicated. Their names are printed in the catalog in alphabetical order.

Registration. The office hours of members of the faculty on days appointed for registration (see College Calendar), are 9 to 12 a. m. and 2 to 4 p. m. Applicants in order to secure prompt attention should present themselves on the days and at the hours designated.

New students should send their credentials to the examiner at least three weeks before the opening of the term. They will then receive, on the day of registration, statements of the

credits granted. On presentation of these to the adviser, they will be assigned to their classes. Old students will go at once to the adviser for assignment to classes.

The penalty for late registration is \$1.00 for each day's delay until the total shall amount to \$3.00. Each change of registration, unless necessitated by action of the faculty, is subject to a penalty of \$1.00.

REQUIREMENTS FOR ADMISSION

Preparation for admission to the Freshman class is expected to cover a period of four years in a good high school or academy. Admission credits are reckoned in units. A *unit* is the equivalent of a course of study extending through one full year of not less than thirty-two weeks, and occupying five hours of recitation per week. Two hours of laboratory work are regarded as equivalent to one hour of prepared work. No fractional units are credited except as here indicated. Fifteen units are required for entrance to Freshman class. Of this number $5\frac{1}{2}$ are definitely prescribed, 5 are to be chosen from certain specified groups, and $4\frac{1}{2}$ are elective.

Graduates of commissioned high schools in Indiana and of high schools of similar grade in other States are admitted to the Freshman class without examination, but such admission does not excuse them from making good any of the entrance requirements which are not covered by the high school credits. These high school credits are accepted only in the subjects and to the amounts named in Groups I-IV below. No high school graduate will be admitted who presents less than eleven units in the subjects named in these groups.

All other candidates for admission will receive from the examiner statements showing the maximum credits which may be granted. If these are sufficient to permit the student to enter, he may do so provisionally, receiving entrance credit for those subjects after the completion of seven college majors in a manner to satisfy the faculty that he is entitled to such entrance credit. The faculty, in the mean time, reserves the right to modify the first estimate of the amount of possible entrance credit.

Students who expect to enter without examination should present specific statements of the work that has been done—not simply diplomas from high schools or academies. *When prepara-*

tory work has been done in more than one school, separate certificates must be presented from each school, not simply from the last one attended. Blanks prepared for this purpose will be furnished on application. Certificates, upon which entrance credits are to be granted, must be signed by the principal of the school in which the work was done. They should contain detailed statements not only of the time spent in each subject—but also of the amount of work covered (*e. g.*, four books of Cæsar), including the time spent in laboratory work in science in addition to classroom work.

Required:

English	3	units.
Mathematics	2½	units.
Foreign Language (from Group I).....	3	units.
History (from Group II).....	1	unit.
Science (from Group III).....	1	unit.

Elective:

From Groups I-IV.....	4½	units.
Total	15	units.

The required work in English (3 units) is equivalent to the usual three years of English, including composition, rhetoric and literature, as taught in good high schools. Candidates who present a fourth year of English may receive credit for it as an elective. (See Group IV below.)

The required work in Mathematics (2½ units, as above) includes algebra to quadratic equations (1 unit), quadratic equations (½ unit) and plane geometry (1 unit). Candidates who offer more than the minimum requirement in Mathematics may receive credit for it as an elective. (See Group IV.)

The groups from which the required work in foreign language, history and science must be chosen are as follow:

BUTLER COLLEGE

GROUP I.

Foreign Language.

Latin 1.	Beginning course and Cæsar, 4 books	2 units.
Latin 2.	Cicero, 6 orations, or Cicero, 4 orations and Vergil, 2 books	1 unit.
Latin 3.	Vergil, 5 books.....	1 unit.
Latin 4.	Tacitus	$\frac{1}{2}$ unit.
Latin 5.	Livy	$\frac{1}{2}$ unit.
Greek 1.	Beginning course and Anabasis, Book I.....	1 unit.
Greek 2.	Anabasis II—IV, with prose composition, and Homer's Iliad, Books I—II.....	1 unit.
Greek 3.	Plato, Herodotus, or equivalent authors	1 unit.
German 1.	Beginning course	1 unit.
German 2.	Second year	1 unit.
German 3.	Third year	1 unit.
French 1.	Beginning course.....	1 unit.
French 2.	Second year	1 unit.
French 3.	Third year	1 unit.
Spanish 1.	Beginning course.....	1 unit.

NOTE.—At least three units must be offered from this group, and at least two of these must be in one language.

For every unit of language work offered for entrance in excess of the minimum requirement of three units, the candidate will be excused from one year of the required language work in College.

GROUP II.

History and Civics.

General History	1 unit.
Ancient History	$\frac{1}{2}$ or 1 unit.
Medieval History	$\frac{1}{2}$ or 1 unit.
Modern History	$\frac{1}{2}$ or 1 unit.
English History	$\frac{1}{2}$ unit.
United States History.....	$\frac{1}{2}$ or 1 unit.
Civics	$\frac{1}{2}$ unit.
Economics	$\frac{1}{2}$ unit.

NOTE.—Credit will not be given for both General History and Ancient History. Credit will not be given for both Civics and Economics unless one unit of History is also offered. Not more than 3 units in all will be accepted from this group.

GROUP III.

Natural Science.

Physics	1 unit.
Chemistry	1 unit.
Botany	$\frac{1}{2}$ or 1 unit.
Zoology	$\frac{1}{2}$ or 1 unit.
General Biology	1 unit.
Physiology	$\frac{1}{2}$ unit.
Physical Geography	$\frac{1}{2}$ unit.
Geology	$\frac{1}{2}$ unit.
Astronomy	$\frac{1}{2}$ unit.

NOTE.—Not more than 4 units in all will be accepted from this group.

GROUP IV.

Unclassified.

English 4.	(First half of fourth year High School English).	$\frac{1}{2}$ unit.
English 5.	(Second half of fourth year High School English).	$\frac{1}{2}$ unit.
Mathematics 4.	Solid Geometry	$\frac{1}{2}$ unit.
Mathematics 5.	Trigonometry	$\frac{1}{2}$ unit.
Mathematics 6.	College Algebra	$\frac{1}{2}$ unit.
Commercial Geography		$\frac{1}{2}$ unit.
Mechanical Drawing		$\frac{1}{2}$ or 1 unit.
Free-hand Drawing		$\frac{1}{2}$ or 1 unit.

Not more than one unit of Drawing will be accepted.

NOTE.—None of the courses in this group is required for entrance, but they may be offered among the $4\frac{1}{2}$ units of electives which must be presented.

Conditioned Students. If a student is conditioned in any admission subjects, he must begin at once to make up his deficiencies, those in *required* subjects being taken first, and pre-

cedence being given at all times to those courses which may be offered in lieu of the deficiencies.

If the conditioned student is deficient in subjects in which instruction is offered by the College, he must elect from the courses offered by the College a sufficient number of courses which may be offered for entrance, to make good the deficiency. In this case, 2 majors of college work will be accepted as equivalent to 1 unit of preparatory work. But Greek 1, 2, 3; German 1, 2, 3; French 1, 2, 3; and three majors of natural science, unless a unit of natural science shall have been offered on admission, will be accepted only on the basis of 3 majors for 1 unit of entrance work. If the conditioned student is deficient in subjects in which the College offers no instruction, such deficiencies may be made up under approved tutors or in a high school of Indianapolis. They must be made up within one year after matriculation in Butler.

Special On account of the development of good high
Announcement. schools almost everywhere, the College has discontinued its preparatory department,

Advanced Students coming from *high schools* or other sec-
Standing. ondary schools, and presenting credits in excess of those required to fulfill the entrance requirements, may, in certain departments, secure college credit for the work by passing an examination in it; or, at the discretion of the faculty, such students may receive college credit for this work on the completion of at least seven college majors in a manner to satisfy the faculty that they are entitled to such credit. The following limitations will, however, be observed:

1. In no case will a preparatory unit be accepted for more than two college majors. (A major is a five-hour course for twelve weeks.)

2. Where three units from Group II (History) have been presented for entrance, no college credit will be granted for additional work in that group.

3. Where four units from Group III (Science) have been presented for entrance, no college credit will be granted for additional work in that group.

4. No more than a total of nine college majors will in any case be credited on the basis of work in a high school or other secondary school, even in cases where "postgraduate" high school work has been done.

5. Only in the following subjects may college credit be obtained, and to the maximum amount indicated in each case:

English	2 majors.	Mathematics	3 majors.
Latin	4 majors.	Physics	2 majors.
Greek	4 majors.	Chemistry	2 majors.
German	6 majors.	Botany	2 majors.
French	6 majors.	History	2 majors.
Spanish	2 majors.		

Students coming from other colleges or universities may receive advanced standing upon presentation of officially signed statements of the work which they have done. These statements *must* include: (a) A statement of the work which was done in satisfaction of entrance requirements. This statement must come directly from the school where the preparatory work was done. (b) A statement certifying to the college credits that have been earned. Such statements should indicate the subjects studied, ground covered, number of weeks and number of hours of recitation per week. In the case of students coming from colleges whose entrance requirements are less than those of Butler College, a sufficient number of college credits will be applied to make good the deficiency in preparatory credits.

To receive credit toward advanced standing, application must be made to the examiner at the time of matriculation, or earlier. It is desirable that candidates for advanced standing should forward their statements of work before presenting themselves for entrance. No student from another college will be admitted except upon presentation of a certificate of honorable dismissal.

Special Students. A person, not a candidate for a degree, may be admitted as a special student and allowed to pursue a special course of study under the following conditions:

1. He must be twenty-one years of age and must have received the permission of the professors whose courses he proposes to take and of the committee on special studies. A certificate of age must accompany the application for admission as a special student.

2. Only persons having a definite end in view will be accepted as special students, and no applicant for a special course will be admitted unless urgent need of such course shall appear.

3. No regular student who fails in his work will be allowed to become a special student until he has made good his failures.

4. Special students are subject to the same regulations as regular students with regard to the amount and quality of work performed, and attendance at recitations and examinations. The faculty may at any time deprive any special student of his privileges if it appears that he is abusing or neglecting them.

REQUIREMENTS FOR GRADUATION

The plan of study offered to the student in the requirements for graduation is an attempt to combine the essentials of general culture, which is the prime object of the undergraduate college course, with an opportunity for development along the lines of the student's natural interest, and preparation for university and professional study.

The normal length of time required for the college course is four years, but students who have the necessary ability and industry can complete it within three calendar years.

In addition to the entrance units (see pages 28 *sq.*), there are required for graduation thirty-six majors of class instruction and two majors of physical culture.

A *major* is the equivalent of five hours' classroom work each week for a term of twelve weeks. Where laboratory work is carried on, two to three hours in the laboratory are equivalent to one hour in the classroom. In some of the more advanced courses, where much private work may profitably be laid out for the student, the number of hours each week which shall be equivalent to a major, may be determined by the instructor. A *minor* is a course of two or three hours a week for twelve weeks.

Students, as a rule, will assume work to the total value of three majors each term. No student may take fewer than three major courses without the special consent of the committee on special studies given on recommendation of the adviser. If a student's average grade for the term next preceding shall have been as high as 80, he may fake work to the aggregate value of four majors. But in no case may he take more than this amount during any one term. A fee of \$6.00 will be charged for an additional major course, or of \$3.00 for each additional minor course in excess of three majors. These restrictions do not apply to courses in physical training. In any case, the courses chosen

must not conflict in times of recitation, and all work, to receive credit, must be done in class.

The college confers two baccalaureate degrees, that of Bachelor of Arts and that of Bachelor of Science.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS.

1. REQUIRED SUBJECTS.—(a) Students offering the minimum (three entrance units) of language work (Group I) for entrance, must elect nine majors of foreign language in college. For every additional language unit offered for entrance, three majors may be deducted from the nine required in college. Thus a student who presents four units of language for entrance will take six majors in college. One who presents five units will take three majors. One who presents six units is entirely relieved from the college language requirement. In any case, however, the total required work in foreign language for entrance and in college (six years' work in all) must not be divided between less than two or more than three languages, and must include at least three years' work in some one language.

(b) Students who present less than two units of physical science (Group III) for entrance, must elect three majors in a laboratory science not offered for admission.

At least six majors in the subjects thus required must be taken during the first year of residence, and the remainder during the second year. Students entering with advanced standing must begin at once to meet these requirements.

2. At least nine major courses must be taken in one department, or twelve in closely related departments. In the latter case, six majors must be taken in one department and the remainder in subjects approved by that department.

3. Not more than twelve majors may be taken in any one department. During the first two years, not more than one major course each term may be taken in one department.

4. The following courses (unless taken to meet entrance requirements) will have the value of one minor each to students who are credited with 26 majors: Latin 1, 2, 3; Greek 1, 2, 3; German 1, 2, 3; French 1, 2, 3; English 1, 2, 3; Mathematics 1, 2, 3.

5. Not more than six majors may be credited from the courses offered by the Divinity School, and the student may not offer those courses which are indicated as not to be credited toward the A. B. degree. But three majors in Biblical Literature in English may be offered in addition to these six. Students presenting advanced theological credits from other institutions will be similarly restricted as to amount and character of work to be accepted.

In making his choice the student must observe any restrictions and prerequisites that may be attached to the particular courses he wishes to select. All courses must be selected in consultation with the adviser.

Any student coming from another institution is required to take at least the last nine major courses in residence at this College before receiving the degree.

Upon the satisfactory completion of the aggregate requirements as here given, and the payment of the graduation fee (see page 24), the student is entitled to receive the degree of Bachelor of Arts.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE.

For the degree of Bachelor of Science, eighteen majors must be offered in the natural sciences, mathematics being counted as a natural science. The student's major subject must be either a natural science or mathematics.

A minimum of six years of foreign language must be taken in the preparatory and college courses, of which at least two years must be in German and two in French. Candidates for this

degree who offer three foreign languages will be required to offer only two years in each language.

In all other respects the candidate for the degree of Bachelor of Science must conform to the requirements for the degree of Bachelor of Arts.

**Graduate
Students.**

The College confers the degree of Master of Arts on applicants holding the corresponding baccalaureate degree. In case the applicant's undergraduate work has been done at another college, he is required to show that such work is fully equivalent to that required for the baccalaureate degree at this College. Applicants who have not completed the necessary amount of work must make up their deficiencies by taking the required courses for which they do not present equivalents, and elective courses sufficient to complete thirty-six credits, before they will be admitted to candidacy for the second degree.

The degree of Master of Arts is not conferred except for resident work, and credit toward it can be given only for work done under the direction of the College. The degree is given only to those applicants whose work and thesis show them to have the required proficiency in the subject chosen, and is not guaranteed at the end of any definite period of work. It is conferred subject to the following conditions:

The applicant must satisfactorily complete nine major courses, part or all of which may be selected in the Divinity School, and present a satisfactory thesis in his leading subject. The leading subject shall consist of three major courses of advanced work taken consecutively in one line of study. The completed thesis must be in the hands of the committee on graduate studies not later than June 1 of the year in which the degree is to be taken. The work of candidates for the Master of Arts degree may consist (a) of subjects especially assigned to individual students, and (b) of lines of study to be selected, under the direction of the faculty, from advanced undergraduate elective

work. No required undergraduate courses, and none of the courses specified in Rule 5, page 36, will be credited for the degree of Master of Arts. In addition to the ordinary term examinations, the candidate's qualifications for the degree are tested by an oral examination in the work which he has taken.

A candidate for the degree of Master of Science must complete nine majors of graduate work in science or mathematics. These nine majors must be taken in not more than two departments, at least six majors in one and three in the other department. A student holding the degree of Bachelor of Arts must fulfill all the requirements for the degree of Bachelor of Science in this institution, in order to become a candidate for the degree of Master of Science. Any one holding the degree of Bachelor of Science from another college of similar rank to this, may become a candidate for the degree of Master of Science by fulfilling the requirements for that degree. In all other respects the requirements for the degree of Master of Science are the same as those for the degree of Master of Arts.

No work done by a student while yet an undergraduate shall be allowed to count toward fulfilling the requirements of a graduate course; but students who finish their undergraduate work before the close of the college year may begin their graduate work at once without waiting for the conferring of the Bachelor's degree. Graduate students are subject to the same regulations regarding number of subjects to be taken as undergraduate students. In all cases the work of candidates for the degree of Master of Arts or Master of Science is subject to the approval of the faculty committee on graduate work, and to this committee all proposed graduate work must first be submitted. A typewritten copy of the thesis upon the regulation paper must be deposited in the library, and the graduation fee paid (see page 24), before the degree will be granted.

Examinations. Examinations in all courses of study are held at the close of each quarter in the same order as the regular rec-

itations. Students are graded in each study pursued during the quarter. A student failing in any subject must make such failure good within a period of one year, in order to receive credit for the course. Absence from examinations counts as failure. A student taking an examination at a time other than that appointed for his class must first pay to the treasurer, for the benefit of the library fund, the sum of one dollar.

Quarterly Reports. As soon as possible after the quarterly examinations, a report of the attendance and proficiency of each student is prepared and sent to his parent or guardian, who is earnestly requested to give such report careful attention, or to notify the secretary of any failure to receive it. These reports should be preserved.

Students are graded on a scale of 100 as follows: 60 is passing grade; and 80 indicates a good degree of excellence.

The term report made at the close of the Spring term will indicate, also, the student's arrears (if any) in entrance requirements and prescribed work, and will give the number of credits toward graduation due him, thus showing his classification for the beginning of the following year.

COURSES OF INSTRUCTION

When an announced course has not been applied for by at least five students, candidates for a degree, the instructor shall be at liberty to withdraw the course.

Class exercises are daily, from Tuesday to Saturday inclusive, unless otherwise indicated in statement of courses.

The week-holiday is Monday.

All courses are majors unless otherwise indicated.

Bracketed courses will not be offered in 1911-'12.

LATIN.

PROFESSOR GELSTON.

General Statement. In the Latin work of the first college year (courses 1, 2, 3) the especial aim is to develop the student's grasp of the language. To that end there is much insistence on vocabulary practice and oral reading, as well as upon accurate and finished translation. The advanced courses, which are either continuous or supplementary to one another, seek primarily to foster real appreciation of Roman literature for its own sake.

Courses.

1. **LIVY:** Books I and XXI. Selections from other books. Special study of the regal period of Roman history. Grammatical review. Sight translation. *Fall, 11:30.*
2. **TACITUS:** Agricola and Germania. Illustrative passages from other writings of Tacitus. These works are read with detailed reference to their historical and literary value. *Winter, 11:30.*

3. HORACE: Odes and Epodes. Intensive study of specimen odes. Rapid translation of other poems. Analysis of the versification. Oral reading. Literary criticism.
Spring, 11:30.
4. HORACE: Satires and Epistles. Designed to complete the study of Horace begun in course 3.
Fall, 10:30.
- 5a. CATULLUS, TIBULLUS AND PROPERTIUS: Aims and methods as in course 3.
Tues., Thurs., Sat., Winter, 10:30.
- b. HISTORY OF ROMAN LITERATURE. *Wed., Fri., Winter, 10:30.*
Students taking 5a must also take 5b, counting both (a and b) as one major.
But 5b is open to students who have not had Latin and counts as a minor.
6. PLAUTUS: Captivi and Trinummus. Sight translation from other plays. Oral reading.
Spring, 10:30.
7. LUCRETII: De Rerum Natura. Reading and translation of selected passages. Collateral study of Epicureanism and related philosophical systems among the Romans. *Fall, 9:00.*
8. CICERO: De Natura Deorum. Designed to continue the study of Roman philosophical writing begun in course 7.
Winter, 9:00.
9. TEACHERS' COURSE. Brief survey of Latin grammar with reference to teaching. Discussion of other matters relating to secondary school instruction.
Spring, 9:00.

GREEK.

ACTING PROFESSOR GELSTON (in charge).

General Statement. In this department students are encouraged to work toward appreciation of Greek for its own sake and toward facility in the use of Greek texts as original sources. In the elementary course the instructor gives particular

attention to the needs of beginners, assisting them to cover rapidly as college students the work commonly done through a more extended period in preparatory schools. The advanced courses are designed, as far as possible, to continue or supplement one another.

Courses 1, 2, 3 are continuous and all must be taken if credit in any one of them is desired.

For students credited with 26 majors or more, courses 1, 2, 3 have the value of one minor each.

Courses.

1, 2, 3. **ELEMENTARY GREEK.** Special effort is made with mature students to prepare them in one year for subsequent courses in classical Greek, or the New Testament. White's First Greek Book. Xenophon's Anabasis.

Fall, Winter, Spring, 8:00.

4. **PLATO:** Apology of Socrates and Crito. Selections from other dialogues. Greek syntax and prose composition. Sight reading in Xenophon's Memorabilia. *Fall, 9:00.*

5. **INTRODUCTION TO GREEK ORATORY:** Selected orations of Lysias. Sight translation. *Winter, 9:00.*

6. **INTRODUCTORY STUDY OF THE GREEK DRAMA:** The Prometheus Bound of Aeschylus and Iphigenia among the Taurians of Euripides. Collateral study of the Greek theater and presentation of the dramas. *Spring, 9:00.*

7. **HOMER:** Selected books of the Iliad. Object, genuine literary appreciation of the Homeric poems. Special reference to Mycenæan archeology and the Homeric question. *Fall, 8:00.*

8. **LUCIAN:** The Dream, Charon, Sale of Lives, Peregrinus. Sight translation of representative dialogues with a view to gaining as comprehensive a view as possible of Lucian's writings. *Winter, 8:00.*

9. AESCHYLUS: The Agamemnon and other dramas.

Spring, 8:00.

[10. MODERN GREEK: Grammar, short stories and poetry.]

11. GREEK LITERATURE IN ENGLISH: A general survey of Greek literature. Homer and the dramatists are read in translation. Lectures by the instructor. Reports on assigned topics by members of the class.

Spring, 11:30 (provisional.)

GERMAN.

PROFESSOR DANTON.

MISS WEAVER.

General Statement. The College Library has a small but well-chosen collection of German books, including a complete set of Kuerschner's Deutsche National-Literatur. These books, supplemented by the excellent collections of the Indianapolis City Library, which has a uniformly generous policy toward the buying of German works, make possible a very satisfactory study of German literature.

Courses 1, 2, 3 are continuous and all must be taken in order to receive credit.

To students credited with 26 majors or more, courses 1, 2, 3 have the value of one minor each.

Courses.

1, 2, 3 form a continuous course in beginning German for college students. The formal study of grammar is subordinated to a more direct method of acquiring a command of the spoken and written idiom. As far as possible, German is the language of the class from the beginning. A number of easy texts are read.

Fall, Winter, Spring, 2:00.

- 4, 5, 6. The work of the second year is also a unit, but the courses may be taken individually for credit. Grammatical review. Easy texts are read as the basis of conversation and free composition. The student is urged not to translate but to understand German without the interpolation of the English medium. Teachers in secondary schools who are preparing students to take this course should train them in taking down simple dictation and in building up a systematic vocabulary of important root words, as well as to understand simple spoken German. *Fall, Winter, Spring, 8:00.*
- [7. RAPID READING OF MODERN TEXTS: Review of accidence, free composition. Study of synonyms. In 1910-'11 the texts were selected largely with the idea of giving the student an insight into German peasant life. *Fall.*]
- [8b. General introduction to the study of the German classic writers. The course will not be historical but interpretative. *Winter.*]
- [9b. The work of 8b continued. There will be a larger number of lectures and the relations of the classic movement to other literary movements will be discussed. Some works from the Storm and Stress and the Romantic School will be read. *Spring.*]
10. THE MODERN GERMAN NOVEL: The aim of the course is to read a large amount of modern and contemporary prose fiction and to cultivate in the student a taste for good reading rather than a knowledge of the history of the novel, though this will not be neglected. *Fall, 10:30.*
11. THE MODERN AND CONTEMPORARY DRAMA: The principles of dramatic criticism. The course will begin with the rise of the naturalistic drama and will include some discussion of Ibsen. *Winter, 10:30.*

12. HEINE: The works will be studied in detail and the relation to Young Germany worked out. In connection with this course some attention will be paid to the theory of the lyric and a large amount of lyric poetry will be read.

Spring, 10:30.

In 1910-'11 the following courses were given:

- 8a. A RAPID SURVEY OF SCHILLER'S LIFE AND WORKS: Discussions, informal lectures, outside reading. The main emphasis was on Schiller as a dramatist, but a number of the important lyrics were read. *Winter, 11:30.*
- 9a. GOETHE'S WORKS (with the exception of Faust) as contained in the six volume edition of the Goethe Society were read and discussed. The course was interpretative and not biographical. *Spring, 11:30.*
- [13. KLEIST: All the dramas were discussed in class. The novels and political prose were read outside. Lectures, discussions, reports and one formal paper. *Fall.*]
- [14. GRILLPARZER: The entire emphasis was on Grillparzer as dramatist. *Winter.*]
- [15. HEBBEL: Plays and theory of dramatic art. The development of realism. *Spring.*]

ROMANCE LANGUAGES.

ASSISTANT PROFESSOR GREENE.

General Statement. In French a course extending over three years is offered, and the work is intended primarily for college students already trained to college study. However, for the third year French different courses are offered in alternate years, so that a student may obtain credit for four years' work in French.

Courses 1, 2, 3 are continuous. All must be taken to receive credit.

To students credited with 26 or more majors, courses 1, 2, 3 will have the value of only one minor each.

Courses in French.

1, 2, 3. **ELEMENTARY COURSE (continuous):** This course consists of the study of grammar, composition and the reading of modern French, including at least one play and extracts from French historians. There is constant practice throughout the year in pronunciation and in dictation with a view to training the ear to spoken French. The commoner idioms are learned through daily drill in conversation.

Fall, Winter, Spring, 9:00.

4a, 5a, 6a. The course aims at giving the student ability to read modern French prose and poetry with ease and appreciation. The best poetry, plays and novels of the more recent French masters will be read, in or out of class, and discussed—Chateaubriand, de Vigny, Hugo, Dumas (pere and fils), Gautier, Balzac, Sand, A. Daudet, Augier, Coppee, Maupassant and Loti. The course emphasizes the development in the student, through analysis of French style, treatment and character, of a sound literary appreciation. The history of French literature will be given in outline. The use of spoken French in the classroom is increased. Three hours weekly.

Tues., Thurs., Sat., Fall, Winter, Spring, 8:00.

4b, 5b, 6b. This is a course in prose composition and oral expression and should be taken with 4a, but may be taken alone. It is intended to meet the needs of business or of foreign travel. The students of the class will correspond with students in France who are studying English. Two hours weekly. *Minor.* *Wed., Fri., Fall, Winter, Spring, 8:00.*

7, 8, 9. **THE NOVEL:** In this course the relation of the novel to the old French epic is considered first and the class reads, in part, the translation into modern French of the *Chanson de*

Roland. The plots of several of the other old epics and allegories are discussed, the Fabliaux, Roman de Renard, Heptameron, Gargantua and Pantagruel and the significance of d'Urfe's "L'Astree." In or out of the classroom the class reads La Princesse de Cleves, Telemaque, novels by LeSage, Marivaux and Prevost, La Nouvelle Heloise, Paul et Virginie, and the novels of the nineteenth century. Reports on collateral reading treating of the life and times of the authors are required. The text book of this course is Morrillot's "Le Roman en France depuis 1610." The course alternates with course 10, 11, 12. Three hours weekly.

Tues., Thurs., Sat., Fall, Winter, Spring, 10:30.

10, 11, 12. THE DRAMA: Twelve representative French dramas are read, as follows: Le Cid, Les Femmes savantes, Le Tartuffe, Athalie, Zaire, Le Barbier de Seville, Hernani or Ruy Blas, La Question d'Argent, La Bataille des Dames or Denise, Le Monde ou l'on s'ennuie, l'Aiglon. Others are read outside the classroom upon which reports are required. The class does considerable collateral reading which treats of the authors and their times. There are lectures (in French) which trace from its beginnings the development of the French drama. Provisional.

[13, 14, 15. This is a general survey of the history of French literature. Prerequisite, courses 7, 8, 9 or 10, 11, 12.]

COURSE IN SPANISH.

1. The aim of this course is to give a good reading knowledge of Spanish, both for literary and commercial purposes. The student is well drilled in the main principles of grammar, and is given considerable practice in writing Spanish. Only standard works will be read. Five hours weekly. (Provisional.)

ENGLISH.

PROFESSOR KENYON.

MISS GRAYDON.

MISS ALLEN.

General Statement. The Department of English contemplates a three-fold object:

1. Practice in English composition.
2. A knowledge of our own language.
3. Independent ability to read and appreciate English literature.

Courses.

1a, 2a, 3a. FRESHMAN ENGLISH: English Literature and Composition; a general survey of English literature, together with daily and fortnightly themes. Three majors.

Fall, Winter, Spring, 9:00.

1b, 2b, 3b. FRESHMAN ENGLISH: Second division.

Fall, Winter, Spring, 10:30.

10, 11, 12. THE HISTORY OF THE ENGLISH LANGUAGE AND OF EARLY ENGLISH LITERATURE: Some of the aims of this course are to provide for the discipline and culture long recognized in the study of other languages than our own; to cultivate a sense of idiom and of the logical relations and powers of English indispensable to any first-hand appreciation of the great writers; to acquire historical perspective in the study of English literature; and to gain some intimate acquaintance with the great early masterpieces. The readings are selected to illustrate lectures throughout the year on the development and characteristics of various types of English literature. The first term is given to a study of Old and Middle English grammar and to reading of prose and poetry, with study of metre and style; the second and third terms to a study of Chaucer and other Middle English writers. In 1911-'12 many

authors will be read in recently available modernized texts. Students preparing to teach English, especially those who do their major work in English, are expected to take this course. Prerequisite, English 1, 2, 3.

PROFESSOR KENYON.

Fall, Winter, Spring, 11:30.

17. SHAKESPEARE: A careful reading of selected plays, with attention to anything that bears on their interpretation. This course alternates with 18, and both may be taken, as different plays are read in each course. Prerequisite, English 1, 2, 3. 17 or 18 is prerequisite to 15.

PROFESSOR KENYON.

Fall, 9:00.

15. SHAKESPEARE: A sequel to course 17, with a more rapid study of several plays.

PROFESSOR KENYON.

Winter, 9:00.

14. THE ENGLISH NOVEL: This course is a study of representative Nineteenth Century novels. Prerequisite, four majors in English.

PROFESSOR KENYON.

Spring, 9:00.

- [13. MASTERPIECES OF ENGLISH PROSE: This course consists of a study of several of the best pieces of prose from Lyly to the present time. Attention will be given both to style and subject matter. Prerequisite, four majors in English. PROFESSOR KENYON.]

- [16. SELECTIONS FROM NINETEENTH CENTURY LITERATURE: A study, as minute as time allows, of important pieces of prose and poetry from Wordsworth to the present time. Prerequisite, English 1, 2, 3.

PROFESSOR KENYON.]

- 4, 5, 6. AMERICAN LITERATURE: This course is continuous throughout the year. It will be so divided as to be open each term to new students who have completed English 1, 2, 3 or the equivalent.

MISS GRAYDON.

Fall, Winter, Spring, 10:30.

- [7, 8, 9. THE ENGLISH DRAMA: This course is continuous throughout the year. The English Drama is studied as an expression of social conditions and a distinct art, without neglect of its characteristics as a form of literature. Lectures and interpretation are given by the instructor, while an intensive study of typical plays is made by the student. Prerequisite, five majors of English.

MISS GRAYDON.

Fall, Winter, Spring, 9:00]

- [20. THE DEVELOPMENT OF THE ESSAY: Lectures, historical and critical, are given, while reading and analysis of representative essays are made. Prerequisite, four majors of English.

MISS GRAYDON.

Fall, 10:30.]

21. BROWNING.

MISS GRAYDON.

Fall, 9:00.

22. BROWNING.

MISS GRAYDON.

Winter, 9:00.

23. TENNYSON.

MISS GRAYDON.

Spring, 9:00.

Courses 21, 22, 23 regard the personality of each poet and the development of his art. Historical and literary criticism is made of selected poems.

Prerequisite, six majors of English.

PHILOSOPHY AND EDUCATION.

PROFESSOR HOLLANDS.

General Statement. The main purpose of the work in Philosophy is to put the student in possession of a way of looking at things which will help him to interpret both his own experience, and the larger problems which enter into the intellectual life of the time. The historical method is followed, and

actual reading of the great philosophers required, so far as is feasible in general courses of an introductory character.

The courses in Education will be transferred to the Department of Education when that department is organized.

Courses in Philosophy.

1. **PSYCHOLOGY:** An elementary course, designed to acquaint the student with the scope and methods of the science, the nature and activities of the mind, its laws and processes. Prerequisite, nine college majors. *Fall, 10:30.*
2. **LOGIC:** An elementary study of the nature, principles and methods of reasoning. The disciplinary value of the subject is emphasized, and constant drill in the analysis and criticism of arguments and ratiocinations of various types is provided. *Winter, 10:30.*
3. **ETHICS:** The nature, presuppositions and history of the fundamental conceptions of morality. *Spring, 10:30.*
- [4. **PHILOSOPHY OF RELIGION:** In this course it is proposed to study some of the fundamental problems common to philosophy and religion. Prerequisite, Philosophy 1, 2, 3, 5, 6.]
- 5, 6. **HISTORY OF PHILOSOPHY:** A study of the development of thought from the Greeks to the present time, in its relation to the history and civilization of the various periods. *Fall, Winter, 8:00.*
- [7. **ENGLISH THOUGHT IN THE NINETEENTH CENTURY:** The more important social, literary and philosophical tendencies will be examined in an untechnical way. Lectures and reports. *Spring.]*
8. **EVOLUTION: HISTORY AND SIGNIFICANCE OF THE IDEA:** An untechnical study of the history of evolutionary theory from the first appearance of the idea among the Greeks to modern times, followed by a discussion of recent modifications and

applications, and an attempt to estimate the significance of the evolutionary point of view for an ultimate theory of the world. *Spring, 8:00.*

- [9. PLATO: Reading and discussion of the more important Platonic dialogues.]
- [10. THE EMPIRICISTS: Locke, Berkeley, Hume.]
- [11. RATIONALISM: Descartes, Spinoza, Leibnitz.]
- [12. KANT AND THE GERMAN IDEALISTS.]

Courses in Education.

Prerequisite for all courses in Education, nine college majors. The order of courses may be changed if it seems desirable.

- 1. HISTORY OF EDUCATIONAL INSTITUTIONS. *Fall, 3:00.*
- 2. PRINCIPLES OF EDUCATION. *Winter, 3:00.*
- 3. PRINCIPLES OF EDUCATION (continued). *Spring, 3:00.*
- [4. GENETIC PSYCHOLOGY. *Fall.*]
- [5. EDUCATIONAL METHODS. *Winter.*]
- [6. PRINCIPLES OF SECONDARY EDUCATION. *Spring.*]
- [7. EDUCATIONAL PSYCHOLOGY. *Fall.*]
- [8. SCHOOL ADMINISTRATION. *Winter.*]
- [9. HISTORY OF EDUCATIONAL THEORY. *Spring.*]

ECONOMICS AND POLITICAL SCIENCE.

PROFESSOR PUTNAM.

General Statement. The introductory courses in this department are given every year. The advanced courses alternate and are intended to meet the needs of two classes of students. First, those preparing for commercial or financial careers or for the public service, and, secondly, those looking forward to graduate work in Economics, Political Science, or allied subjects. The courses in Political Science are also of especial significance as a preparation for the study of Law or Journalism.

Courses in Economics.

1. **ECONOMICS:** A thorough introduction is given to the subject. A text-book will be used, but the student will be expected to compare the views of various authorities on the more important topics. Prerequisite, credit for nine college majors. *Fall, 9:00.*
2. **MONEY AND BANKING:** The main interest in this course will be the nature and functions of currency (coin, note and deposit). The various experiments of the United States will be studied in the light of the leading theories of money. The main features of the banking system, the influence of banks on speculation, their management in financial crises, dangers and safeguards will be discussed. Prerequisite, course 1. *Winter, 9:00.*
3. **PUBLIC FINANCE:** Taxation will be the principal subject of this course. Leading theories of taxation, the methods employed in various countries, and the national, State and local systems of the United States will be examined. A less minute study will be made of the subjects of public debts and financial administration. Prerequisite, course 1. *Spring, 9:00.*

- [4. ECONOMIC HISTORY: An introduction to the study of the development of commerce and industry, with a somewhat detailed consideration of the causes of the Industrial Revolution and the nature of the industry of the present time. Prerequisite, credit for nine college majors. *Fall.*]
5. TRANSPORTATION: An outline course dealing with the more important principles and facts relating to railways, waterways, and the express, telegraph, telephone and postal services. The greater portion of the course, however, is given to the problems of railway transportation, including financing, consolidation, rate-making and regulation. Prerequisite, course 1. *Fall, 10:30.*
6. PROBLEMS OF LABOR: A study of the special problems and interests of wage earners, such as the organization and policies of trades-unions, employers' associations, arbitration, profit-sharing, factory acts and other forms of labor legislation. Prerequisite, course 1. *Spring, 11:30.*
- [7. COMMERCE: A brief survey of the geography of commerce, followed by a study of the economic significance of commerce; the mechanism of commerce, such as railways, banks, etc.; the character of international trade; tariff and colonial policies. Prerequisite, course 1.]
- [8. CORPORATIONS AND CORPORATION FINANCE: A study of the growth of large industries and the place and nature of public service and industrial corporations and trusts in modern industrial society. Especial attention will be given to methods of financing such enterprises, to the character of their securities, and to their industrial effects.]
- 11, 12. ADVANCED ECONOMICS: A detailed study of economic theory. Value and Distribution will be the subjects taken up. The course is open only to those who have satisfactorily passed course 1. The course will continue through two terms and only those completing both terms' work will receive credit. *Winter, Spring, 10:30.*

Courses in Political and Social Science.

- [1. AMERICAN POLITICS: A study of the national, State and local political institutions of the United States. Prerequisite, seven college majors. *Fall.*]
- [2. PROBLEMS OF MUNICIPAL GOVERNMENT: A comparative study of the charters and practical workings of the municipalities of Indianapolis, St. Louis, Chicago, New York, Glasgow, Birmingham, Manchester, London, Paris, Hamburg, Berlin. Particular attention will be paid problems in organization and administration and to methods of control of public works. Prerequisite, course 1. *Spring.*]
- [3. GOVERNMENT OF DEPENDENCIES: An examination of important systems of colonial and territorial government, such as those found in American territories, the British self-governing colonies, and various colonies inhabited by inferior races. Prerequisite, course 1.]
- [4. EUROPEAN GOVERNMENTS: A comparative study of the constitutional organization and practical working of the principal governments of Europe. Prerequisite, course 1 or its equivalent. *Winter.*]
5. GENERAL SOCIOLOGY: The course deals with the development of society, the more important of the social forces, and such fundamental institutions as the family, the church and the State. Consideration will be given to such of the present day social problems as the time may permit. Prerequisite, nine college majors. *Fall, 11:30.*
6. CHARITIES AND CORRECTION: A study, first, of the dependent class, with special reference to the causes of poverty and the methods of amelioration; second, of the defective class and the institutional treatment of defectives; third, of the delinquent class, the causes of crime and the means of its preven-

tion, and the systems of prison management and discipline. Visits will be made to various charitable, penal and correctional institutions. *Winter, 11:30.*

HISTORY.

ACTING PROFESSOR RANDALL.

General Statement. The plan of the courses in History provides for two outline courses in the history of European civilization, to be followed, if the student so elects, by a more detailed and thorough study of selected epochs and important movements. The two outline courses, 1 and 2, are fundamental and must precede all others both in General and in Church History except the course in Missions. With the exception of this last course, no courses in History are open to students who have done less than nine majors of college work. All courses except 1 and 2 vary from year to year so as to allow continuous work in the department without repetition.

Courses in History.

[1. MEDIEVAL EUROPE.]

[2. MODERN EUROPE.]

[3. CONTEMPORARY EUROPE.]

[6a, 6b, 7. MODERN HISTORY OF GERMANY.]

10a, 10b, 10c. **ENGLISH CONSTITUTIONAL HISTORY:** A general history of England from the Roman conquest to the present with special reference to political and constitutional development. Preferably the course should be continuous, but by special arrangement a student may elect the course for any one of the three terms. Students beginning college work in History should take this course. *Fall, Winter, Spring, 11:30.*

13. AMERICAN COLONIAL AND REVOLUTIONARY HISTORY: A brief survey of the discovery and early colonization of America; a more detailed history of the English colonies; and a study of the revolutionary period. Prerequisite, three majors in college History. *Fall, 10:30.*
 14. HISTORY OF UNITED STATES, 1789-1860: Prerequisite, three majors in college History. *Winter, 10:30.*
 15. THE CIVIL WAR AND RECONSTRUCTION: The period covered extends from 1861 to 1877. Prerequisite, three majors in college History. *Spring, 10:30.*
- (For courses in Church History, see p. 73.)

BIBLICAL LITERATURE IN ENGLISH.

PROFESSOR MORRO.

PROFESSOR HALL.

General Statement. These courses are intended to give the college student an introduction to the study of the English Bible. Candidates for the A. B. degree may elect three majors in this department, and they are urged to do so as early as possible in the college course. Special ministerial students should consider these courses fundamental to all others which they may desire to pursue. Work in this department is not credited toward a graduate degree.

Courses in Old Testament Literature.

1. THE HEXATEUCH: A non-technical study of the first six books of the Bible. *Fall, 8:00.*
2. THE HISTORICAL BOOKS: A study of the history of Israel, based directly on the reading and comparison of the historical books. *Winter, 8:00.*

3. THE PROPHETICAL BOOKS: The origin, growth and character of Hebrew prophecy. *Spring* 8:00.

New Testament Literature.

1. THE PAULINE LETTERS. *Fall*, 8:00.
 2. THE SYNOPTICAL GOSPELS. *Winter*, 8:00.
 3. THE JOHANNINE GOSPEL AND LETTERS. *Spring*, 8:00.

NOTE.—Either the courses in the Old Testament or those in the New will be offered, but both series will not be offered in the same year.

BIOLOGY.

PROFESSOR BRUNER.

General Statement. This department aims (1) to meet the demands of a liberal education, and (2) to prepare students for teaching, investigation and medicine. The elementary courses in zoology and botany are designed partly to meet the first demand and partly to furnish a basis for more advanced work.

The method of instruction recognizes the value both of the ideas of science and of discipline; it emphasizes general principles, and at the same time encourages the acquisition of the methods and habits of scientific investigation. Lectures and recitations go hand in hand with practical work, in which each student is required to make a faithful record of his observations.

To meet the requirements for graduation either botany (courses 1, 2, 3), or zoology (course 1, 2, 3), may be elected. In all cases three continuous courses must be taken to receive credit, but students from other colleges may offer an equivalent for one or more of these courses.

A laboratory fee of three dollars per term is charged in all cases, excepting courses 7 and 13, for which the charges are indicated below.

Courses in Zoology.

1. **ELEMENTARY ZOOLOGY:** (a) General introduction. The most important characteristics of living matter; structure and properties of the cell; origin of tissues and organs.

(b) An outline of the structure, functions and classification of Protozoa, sponges, Coelenterata, worms.

Fall, 10:30-12:30.

2. **ELEMENTARY ZOOLOGY (continued):** Polyzoa, Arthropoda, Mollusca, Echinodermata.

Winter, 10:30-12:30.

3. **ELEMENTARY ZOOLOGY (continued):** (a) The vertebrate type and its chief modifications; laboratory work on Amphioxus, dogfish, frog, lizard, pigeon, mammal.

Outline of the theory of evolution. *Spring*, 10:30-12:30.

- 4, 5. **HISTOLOGY AND MICROSCOPICAL METHODS:** (a) A study of the methods and processes employed in microscopical investigation, with practical work in the preparation of various kinds of material. Special attention is given to fixation, staining, section cutting, mounting, methods of reconstruction, etc.

(b) A study of the minute anatomy of a typical mammal. Prerequisite, courses 1, 2, 3, or an equivalent.

Fall, Winter. Hours to be arranged.

6. **EMBRYOLOGY OF VERTEBRATES:** Lectures on segmentation, the formation of the germ layers and the development of organs; practical study of the chick, frog and pig. Must be preceded by course 5. *Spring*. Hours to be arranged.

7. **COMPARATIVE ANATOMY OF VERTEBRATES:**

(1) A review of the classification and development of vertebrates.

(2) A study of physiological mechanisms—skeleton, muscular system, nervous system, sense organs, respiratory systems, urinogenital system, etc.

Open to students who have taken courses 1, 2, 3.

Laboratory fee, four dollars.

Weidersheim and Parker's Comparative Anatomy of Vertebrates. Hours to be arranged.

8. **MAMMALIAN ANATOMY:** This course is intended for students who desire an acquaintance with the structure of the mammalian body as a preparation for work in physiology, anatomy and medicine. Prerequisite, course 7. Reighard and Jennings' Anatomy of the Cat. Hours to be arranged.
9. **PHYSIOLOGY:** A course in human physiology, including recitations, demonstrations and practical exercises in the laboratory. A fee of one dollar and fifty cents is charged.

Winter, 9:00.

Courses in Botany.

- 1, 2. **ELEMENTARY BOTANY:** These courses deal with the larger groups of plants—algæ, fungi, liverworts, mosses, ferns, seed-plants—whose general characteristics are illustrated by the study of typical forms. In connection with the above, particular attention is given to cell structure, the differentiation of cells and tissues, the origin of sex, alternation of generations and the significance of the seed.

Fall, Winter, 2:00-4:00.

3. **ELEMENTARY BOTANY—ECOLOGY:** A study of the adaptations of plants to their physical environment and to other organisms, including the modification of plant structures under changing conditions, and the origin and development of plant societies. An elementary course for teachers and general students. Instruction is given by means of lectures, lantern views, laboratory exercises and field work.

Spring, 2:00-4:00.

CHEMISTRY.

PROFESSOR MOORE.

General Statement. The courses offered in this department are primarily designed to meet the wants (1) of those desiring a general knowledge of the subject, and (2) of those feeling the need of more advanced work in order to prepare themselves for research work, teaching, medicine, chemical engineering or other professions.

The instruction is given by means of lectures, recitations and laboratory work. The lectures are fully illustrated by numerous classroom experiments, and are supplemented by recitations, written exercises, written examinations, problems and laboratory work.

The equipment of the department is good. The lecture-room is fully supplied with apparatus and all of the modern facilities for the experimental illustration of the different lecture courses. The laboratories are well furnished, being conveniently arranged and supplied with tables, reagents, gas, water, hoods and all the necessary facilities to enable the student to carry on the lines of work laid out in the several courses. To each student is assigned his own desk with separate outfit of apparatus and chemicals.

Courses.

- 1, 2, 3. **GENERAL INORGANIC CHEMISTRY:** Elementary. The non-metals and metals. Lectures, recitations and laboratory work. The lectures, which are fully illustrated by experiments, are devoted to a discussion of the facts and theories of chemistry, to the use of symbols, formulæ and equations and the solving of chemical problems, together with the history, occurrence, preparation and properties of the elements and their principal compounds. In the laboratory special attention is given to training the student in inductive reasoning as applied to chemical work. It is recognized that

while the accumulation of chemical facts is of importance, careful observation and the correct interpretation of the phenomena observed are of much greater importance.

Fall, Winter, Spring—Lectures, Tues., Sat., 2:00. Laboratory, Wed., Thurs., Fri., 2:00-4:00.

- 4, 5. **QUALITATIVE ANALYSIS:** Lectures, recitations and laboratory work. A systematic course in qualitative analysis, including a comparison of the different methods of separation and identification of inorganic substances, both in solution and in the dry condition. The ionic theory and the law of mass action, as applied to the work in this course, are fully discussed. Prerequisites, courses 1, 2, 3, or their equivalent.

Fall, Winter, 10:30-12:30.

6. (a) **HISTORY OF CHEMISTRY.**

(b) **SPECIAL CHAPTERS IN CHEMISTRY.** *Spring, 10:30.*

- 7, 8, 9. **QUANTITATIVE ANALYSIS:** Lectures, recitations and laboratory work. An introduction to quantitative methods and the chemistry upon which those methods are based. Analysis of salts, alloys, commercial products, etc., by gravimetric, volumetric and electrolytic methods. Prerequisites, courses 3, 4, 5, or their equivalent.

Fall, Winter, Spring, 10:30-12:30.

- 10, 11, 12. **GENERAL ORGANIC CHEMISTRY:** Lectures, recitations and laboratory work. The principles of organic chemistry, together with the preparation and the study of the properties of a series of typical compounds of carbon. This course is especially recommended to those desiring a good general knowledge of elementary organic chemistry. Prerequisites, courses 1, 2, 3.

13. **GAS ANALYSIS:** The measurement of gases and vapors, and the quantitative analysis of gaseous mixtures. Prerequisites, courses 8, 9. *Spring. Hours to be arranged.*

14. **ADVANCED QUANTITATIVE ANALYSIS:** A continuation of course 9, in which special attention is paid to electrolytic methods of analysis. *Fall.* Hours to be arranged.
15. **RADIO-ACTIVITY:** Lectures, experimental work and recitations on the radio-active types of matter and atomic disintegration. *Winter.* Hours to be arranged.
- 16, 17, 18. **SPECIAL WORK:** Students who have had courses 1 to 12, inclusive, or their equivalent, will be assigned special work in inorganic chemistry or analytical work. Daily through the year.

The laboratory fee for courses 1, 2 and 3 is \$3; for all other courses it is \$4. These fees are for each term, payable in advance. The more expensive chemicals, breakage and other damage to apparatus will be charged extra.

GEOLOGY AND PHYSICAL GEOGRAPHY.

PROFESSOR BRUNER (in charge).

General Statement. The instruction offered in this department is intended as an introduction to the entire field of geological science. The subject-matter of the course is believed to include that which is most interesting to the student, and at the same time most valuable to the average citizen. The collections in the museum are of great value for illustration of the work outlined below.

Courses.

1. **ELEMENTARY GEOLOGY:** (a) The dynamical agencies and their work, as illustrated in denudation, earthquakes, volcanoes, coral reefs and islands, glaciers, etc.
 (b) The structure of the earth's crust; stratified, igneous and metamorphic rocks; origin of mountains; faults, dykes, mineral veins.

(c) Historical Geology. The development of the North American continent; the evolution of the life of the globe. Scott's Introduction to Geology. *Winter, 9:00.*

- [2. PHYSIOGRAPHY: A study of the origin and development of land forms and of the influence of the physiographic factor on the distribution and activities of mankind. One hour daily, with excursions.]

MATHEMATICS AND ASTRONOMY.

PROFESSOR JOHNSON.

General Statement. The work in mathematics is arranged with a view to the interests (1) of those who desire to pursue mathematics as a means of general culture, and because of the valuable mental discipline which it affords, (2) of those who wish to use mathematics as an instrument in the study of the physical sciences, and (3) of those who intend to become teachers and investigators in mathematics.

The courses in mathematics outlined below may be roughly divided into elementary and advanced. By elementary courses are meant the courses in geometry, trigonometry, higher algebra, analytic geometry, differential and integral calculus. These courses are necessary in preparation for all the other courses given in mathematics.

While the more advanced courses are not all given each year, they vary from year to year in such a way that a student may receive continuous instruction in mathematics for five or six years.

The courses in astronomy are designed (1) for the general student, (2) as a basis for advanced work in theoretical and practical astronomy. The courses in mechanics show the application of calculus to physics and prepare the student for advanced theoretical physics and celestial mechanics.

Students who do not offer solid geometry for entrance to col-

lege may receive college credit for course A. It is, however, recommended that solid geometry be included among the elective units offered for entrance.

Courses in Mathematics.

- A. SOLID GEOMETRY: The usual theorems and constructions, including the relations of planes and lines in space; the properties of prisms, pyramids, cylinders, cones and spheres; numerous original exercises. *Spring.*
1. PLANE TRIGONOMETRY: After developing the fundamental principles, many exercises are given to furnish drill in the application of the formulas to the solution of problems. *Fall, 8:00.*
2. ADVANCED ALGEBRA: Besides a brief review of the quadratic equation, this course includes permutations, combinations, logarithms, theory of equations, application of the principle of mathematical induction, determinants, Horner's method of solving numerical equations, elements of the theory of complex numbers and the algebraic solution of the general cubic and biquadratic equations. *Winter, 8:00.*
3. ANALYTICAL GEOMETRY: The application of algebra to geometry. The conic sections and their equations receive most attention. A little time is given to solid geometry. Prerequisite, course 1. *Spring, 8:00.*
4. DIFFERENTIAL CALCULUS: Since this is a decidedly new field to the student, the transition is made cautiously. This is largely a drill course, but aims at vigor in the treatment in so far as seems desirable in beginning this subject. Prerequisite, courses 1, 2, 3. *Fall, 11:30.*
5. DIFFERENTIAL AND INTEGRAL CALCULUS: Continuation of course 4, about eight weeks being devoted to the differential and four weeks to the integral calculus. *Winter, 11:30.*

6. INTEGRAL CALCULUS: Continuation of course 5. Considerable attention is given to applications of calculus to geometry and mechanics. *Spring, 11:30.*
- [7. DIFFERENTIAL EQUATIONS: This course deals with the methods of solution of the simpler ordinary and partial differential equations, many of which occur in works on advanced physics. Prerequisite, course 6.]
8. THEORY OF EQUATIONS: A course devoted to the general properties of equations, determinants, transformation of equations, symmetric functions and the complex variable. Prerequisite, course 6. *Fall.*
9. THEORY OF EQUATIONS: Continuation of course 8. *Winter.*
10. SOLID ANALYTICAL GEOMETRY: In this course calculus is applied to the study of surfaces. Prerequisite, course 6. *Spring.*
- [11. ADVANCED DIFFERENTIAL CALCULUS: Based on Byerly's Differential Calculus. Prerequisite, course 6. *Fall.*]
- [12. ADVANCED INTEGRAL CALCULUS: Byerly's Integral Calculus, supplemented by lectures. The topics studied are imaginaries, definite integrals, multiple integrals, elliptic integrals, and elements of functions of a complex variable. Prerequisite, course 11. *Winter.*]
- [13. THEORY OF FUNCTIONS: This course deals with conformal representation, infinite series, singular points of analytic functions, and particularly with algebraic functions. Prerequisite, course 12. *Winter.*]
- [14. PROJECTIVE GEOMETRY: The geometry of the projective group in the plane and in space is studied by both the analytic and synthetic methods; applications to non-Euclidian geometry. Prerequisite, course 12. *Spring.*]

Courses in Astronomy and Mechanics.

1. **GENERAL ASTRONOMY:** This course is designed for those who desire to pursue the work as part of a liberal education. Requires no mathematical preparation. The telescope will be used in connection with the study of the solar and stellar systems. *Fall, 9:00.*
- [2. **GENERAL ASTRONOMY:** Continuation of course 1. *Winter.*]
- [3. **ELEMENTARY MECHANICS:** Kinematics, statics and kinetics will be studied in their elementary forms without the knowledge of calculus. Prerequisite, Mathematics 1. *Spring.*]
- [4. **ANALYTIC MECHANICS:** Statics and dynamics. The application of calculus to determine the state of a system of particles of rigid bodies. Prerequisite, Mathematics 6. *Winter.*]
- [5. **ANALYTIC MECHANICS:** Continuation of course 4. Problem work is an important feature of this course. *Spring.*]
- [6. **INTRODUCTION TO CELESTIAL MECHANICS:** The problem of two and three bodies will be considered. Also the method of determining the elements of an orbit. Prerequisite, Mechanics 4, 5. *Fall.*]

PHYSICAL CULTURE.

CARL SPUTH, Director.

General Statement The department of Physical Culture is designed to promote the best health of the individual, to enable him to coordinate muscular movements more quickly and gracefully, to provide for greater physical symmetry, and to inculcate a knowledge of the functions of his own body. To facilitate these ends a modern college gymnasium has been provided, and equipped with necessary apparatus and

furnished with dressing room, lockers and shower baths. The gymnasium building is under the complete supervision of a competent director, or his assistant. Six terms' work are required for graduation, three of which must be taken in either the Freshman or Sophomore year.

Gymnastic costumes will be required of all students taking work in the Department of Physical Culture. Such a costume can be obtained at a small cost.

DEPARTMENT OF MINISTERIAL EDUCATION

It is the purpose of the College to establish a Department of Ministerial Education, but it is not possible to present a full program of ministerial instruction at this time.

Meanwhile, all courses which are of special importance in ministerial education are grouped in this department. The degree of B. D. will not be granted until further notice; but graduates of Butler College, or of other colleges maintaining the same requirements for the A. B. degree, will be granted the degree of A. M., on the completion of nine major courses in this department, selected with the approval of the College Adviser and the Head, and on compliance with the other requirements for this degree as stated on page 38 of the College catalog.

In addition to graduate students, the department offers its instruction to mature persons who desire special courses, but who are unable to pursue a regular college course. Such special students are admitted to such courses only as their previous preparation may enable them to pursue with profit. Special students must comply with the regulations of the College as stated on page 34 of the College catalog.

Undergraduates are not encouraged to begin their ministerial studies until they have completed their work in the regular academic departments of the College. However, certain courses offered by this department will be credited toward the A. B. degree. For the year 1911-'12 the following rules will be observed:

1. Undergraduates may elect three major courses in the department of Biblical Literature in English at any time in their course.

2. Undergraduates who are credited with eighteen college majors may elect six major courses in this department; but the courses so elected must not be from among those which are expressly noted as not to be credited to college students.

3. With the consent of the Adviser, undergraduates may register for other courses in this department; but no college credit will be given in such cases, nor will these additional courses be credited toward a graduate degree.

4. Students who expect to become candidates for the B. D. degree may present for that degree the six majors elected in this department under rule 2, and also credits for courses in charities and corrections in the department of Sociology, and in philosophy of religion in the department of Philosophy; but no more than nine majors in all will thus be accredited toward the higher degree.

A record is kept of all courses completed in this department, whether accredited toward a degree or not; and, on request, a certificate will be given to the student showing the courses which he has completed.

Students in this department are subject to all regulations as to fees, conduct, etc., set forth in the College catalog.

For courses in Sociology and Philosophy, and also for courses preliminary to those offered in this department, see announcement of the academic departments of Butler College.

HOMILETICS AND THEOLOGY.

PROFESSOR HALL.

General Statement. In this department instruction will be given in the preparation and delivery of sermons. Students will, in addition to courses in Homiletics in the most approved text-books, be required to prepare outlines of sermons. A general introduction to theology and systematic courses in Christian doctrine will also be given.

Instruction will also be given in the practical management of churches and pastoral care. The subjects of city evangelization and of home and foreign missions will be taught both in the classroom and by institutes and lectures.

Courses.

1. **GENERAL INTRODUCTION TO THEOLOGY:** The object of this course is to furnish an outline of the various departments of theology; to define their nature, mutual relations, aim and boundary lines; to show their respective functions and values, together with the best methods of their study, and the bibliography of the subjects. The student will thus acquire a general view of the subjects which will engage his attention as he passes through his theological preparation for the work of the ministry, and so be the better prepared from the first to estimate the importance and relation of these studies. Not credited toward the A. B. degree.
Fall, 2:00.
2. **CHRISTIAN THEOLOGY:** The object of this course will be to make the student acquainted with sources and methods of the study, and especially to emphasize the importance of the scriptural material bearing on the doctrine of God, of man, of Christ, of the Holy Spirit and of the Last Things. A suitable text-book will be used in connection with lectures, and constant references will be made to the bibliography of the subjects. Not credited toward the A. B. degree.
Winter, 2:00.
3. **HOMILETICS AND PASTORAL THEOLOGY:** The preparation and delivery of sermons will be taught with the aid of a text-book. Analysis and criticism of masterpieces, original plans and sermons will be required, which will be criticised by the instructor. The study of pastoral theology will be conducted with a text-book, supplemented by lectures on "Modern Methods in Church Work," "City Evangelization," "The Bible School," etc. The student will make investigations of the forms of organization and methods of work in the different denominations, both Roman Catholic and Protestant. Not credited toward the A. B. degree.
Spring, 2:00.

CHURCH HISTORY.

ACTING PROFESSOR RANDALL.

General Statement. One general outline course and a number of courses in which particular periods of Church History are considered, are offered. Students are recommended to take as much work in General History as possible before they take any of the work in Church History except course 11. With the exception of this last course, courses 1 and 2 in General History must precede any work in this department.

Courses.

- 1a. **OUTLINE OF CHURCH HISTORY:** This course will constitute an introduction in the study of Church History. The aim will be to get an orderly, systematic and connected view of the entire field of Church History, its epochs and turning points, its leading movements, events and characters. The instruction will be for the most part by lectures and by references to the literature of the subject. Prerequisite, two majors of college work in history. *Fall, 8:00.*
- [2. **ANTE-NICENE CHRISTIANITY.**]
8. **ENGLISH CHRISTIANITY SINCE THE REFORMATION:** A study of the beginnings and development of the Anglican Church, the Presbyterian Church of Scotland, and the more important dissenting bodies. Prerequisite, three majors in college history. *Winter, 8:00.*
- [3. **EARLY CHRISTIAN LITERATURE:** Advanced work in the writings of the Ante-Nicene Fathers. Not credited toward the A. B. degree.]
- [12. **HISTORY OF NEW TESTAMENT TIMES:** A study of the life of the Jewish people and their surroundings from the time of the Maccabees to the fall of Jerusalem, with special consideration of the beginning of Christianity.]

- [9. STUDIES IN CHRISTIAN BIOGRAPHY: A careful study of the life and work of great leaders of the Church and of religious movements. The men considered include such names as Athanasius, Augustine, Gregory the Great, Francis of Assisi, Luther and Calvin.]
- [10. HISTORY OF CHRISTIAN DOCTRINE: The belief of the Church as expressed by theologians and councils; heresies and their significance; the great changes of Christian thought. Not credited toward the A. B. degree.]
- [11. HISTORY OF MISSIONS: This course will treat briefly of the scriptural basis of missions, of the conversion of the Roman Empire, and of the Teutonic and Slavic peoples, of the prominent missionaries during the Middle Ages, and of Roman Catholic and Protestant missions after the Reformation. Special attention will be given to biography and to modern methods of mission work.]

NEW TESTAMENT LITERATURE AND INTERPRETATION.

PROFESSOR HALL.

General Statement. The Greek Grammar of the New Testament will be inductively taught upon the basis of the New Testament itself. Thorough as well as cursory reading of the Greek Testament will be required, and such a general working knowledge of the New Testament will be imparted as will enable the student further to pursue his studies systematically. Instruction in the doctrines of the New Testament and its homiletical value will not be neglected. Some idea of the state of the world at Christ's coming, of the literature then influencing mankind, and especially the Hebrew people, and a general knowledge of the life of Christ and the early days of Christianity, will be given. It is not so much the purpose to impart knowledge as to teach the student how to acquire the knowledge for himself.

Courses in New Testament.

1. NEW TESTAMENT GREEK GRAMMAR: A strictly linguistic study of the peculiarities of New Testament Greek. Reading of selected passages. Prerequisite, two years of classical Greek. This course is prerequisite to the following courses in New Testament Greek. *Fall, 9:00.*
 2. THE SYNOPTIC GOSPELS: The reading of the Greek text and careful exegetical study. *Winter, 9:00.*
 - [3. THE GOSPEL AND EPISTLES OF JOHN: An exegetical study of the Greek text. The aim of this course is to enable the student to familiarize himself with the vocabulary and teaching of the Gospel and Epistles of John. *Winter.]*
 4. THE PAULINE EPISTLES: The reading of the Greek text, special study of Romans and of the great words which Paul employs in this epistle. *Spring, 9:00.*
 5. NEW TESTAMENT THEOLOGY—THE SYNOPTICS: A study of the teachings of Jesus as recorded in the first three Gospels. Should be preceded by course 2. Not credited toward the A. B. degree. *Fall, 10:30.*
 6. NEW TESTAMENT THEOLOGY—PAUL: A study of the leading ideas of the Apostle Paul, as described in his epistles. Not credited toward the A. B. degree. *Winter, 10:30.*
 7. NEW TESTAMENT THEOLOGY—JOHN: A constructive study of the writings of John. Not credited toward the A. B. degree. *Spring, 10:30.*
 - [8. ACTS OF THE APOSTLES.]
 - [9. NEW TESTAMENT INTRODUCTION: A study of the authorship, date, historical setting and structure of the books of the New Testament, with a brief survey of the history of the Canon. Not credited toward the A. B. degree.]
- (For courses in Biblical Literature in English, see p. 58.)

DEPARTMENT OF ART

MYRTLE LEWELLYN TAYLOR, Director.

This department offers class work to all students in College. It is separate from the College and charges its own fees, which are payable in advance. College credits are not granted for work done, although a record is kept of the courses satisfactorily completed. The courses offered are adapted to students and also to teachers wishing normal and supervisor work.

It is the aim of the department ultimately to establish a school in design. The Theory of Design and Composition, by Denman W. Ross, is used as text-book, while the design work is arranged in a series of problems, defining the principles which govern line, form and tone.

Each student registering for craft is expected to take the course in design.

Courses.

1. Water colors. Six studies. \$6.00.
2. Design, stencil cutting, color printing on textiles, three prints. \$6.00.
3. Pottery, building, moulding, three pieces. \$15.00.
4. China Painting. Powder colors used and the course in design required. \$6.00.
5. The class work in design consists of a course in pencil drawing, charcoal and water colors, and is intended for all students preparing for normal course work, as supervisors and teachers. This course is open to all regular students of the College at a charge of only \$1.00 for materials.

No student can register for more than three courses during a term.

NORMAL COURSE FOR TEACHERS

SESSION OF 1912.

MONDAY, MAY 8—SATURDAY, JULY 29.

GENERAL ANNOUNCEMENT.

Under the present school law of Indiana all teachers in the common schools of the State who begin their work after August 1, 1908, must have at least twelve weeks of professional training in an approved normal school or college. Teachers are divided, according to preparation, experience, success and character of license held, into three classes, A, B and C, and a maximum and minimum salary fixed for each class.

Butler College has been accredited by the State Board of Education for the preparation of teachers in each of the three classes, A, B and C, provided for by the law. In addition to the work pursued throughout the college year in educational psychology and allied subjects, the special twelve-weeks' course herein announced has been arranged for the benefit of those who desire to be enrolled this year under Class A, or to do additional work leading to enrollment in Classes B and C.

All graduates of commissioned or certified non-commissioned high schools, and those who have equivalent scholarship, who secure a license of twelve months, become by the completion of the Butler College twelve-weeks' normal course members of Class A, and are eligible to teach in any of the common schools of Indiana.

COURSES OF INSTRUCTION

The following courses are open to all graduates of high schools and to other approved applicants. Those who expect to be enrolled as teachers in Class A are required to take courses

1 and 2, and any one of courses 3, 4 and 5. No one, unless by special permission, will be allowed to take more than three courses. Courses 1 and 2 and one other course give all the professional training required of teachers in Class A.

All courses consist of five recitations, of fifty minutes, each week for twelve weeks. If applied toward college degrees or toward satisfying requirements for Class B or Class C, each course counts as a major credit. (See page 35.) Unless otherwise specified the instructors are regular members of the Butler College faculty.

Observation of work in the city schools of Indianapolis is arranged for and required in connection with all of the courses. As the Indianapolis schools are among the best in the United States, and the instructors in the Butler College normal course enjoy the hearty cooperation of the city schools, this part of the work is of great advantage, and is one of the most attractive features of the course.

Course I. Educational Psychology. MR. WALTER J. GIFFORD,
Assistant Professor of Education, Butler College, during Normal Course and Summer School of 1911.

Course II. Methods and Principles of Teaching.
MR. WALTER J. GIFFORD.

Course III. English: Language, Grammar and Composition.
MISS CORNELIA A. ALLEN.

Course IV. United States History. PROFESSOR C. B. COLEMAN.

Course V. Elementary Mathematics: Arithmetic, Algebra.
PROFESSOR E. N. JOHNSON.

SUMMER SCHOOL

FACULTY.

DEAN.

THOMAS CARR HOWE, PH. D., President of Butler College.

DEPARTMENT OF ENGLISH.

MARK HARVEY LIDDELL, A. B., Formerly Professor of English in the University of Texas. (Editor of the Elizabethan Shakspeare, Chaucer's Prologue, Knightes Tale and Nonnes Preestes Tale, Co-editor of the Globe Chaucer, Author of An Introduction to the Study of Poetry.)

CHARLES SWAIN THOMAS, A. M., Head of the English Department in the Newton (Mass.) High School.

DEPARTMENT OF MODERN LANGUAGES.

EDWARD M. GREENE, A. M., Professor of French, Butler College.

DEPARTMENT OF HISTORY AND CIVICS.

JAMES W. PUTNAM, PH. D., Professor of Economics and Political Science, Butler College.

DEPARTMENT OF EDUCATION.

WALTER J. GIFFORD, A. M., Assistant Professor of Education, Butler College.

DEPARTMENT OF NATURE STUDY.

ROUSSEAU MCCLELLAN, A. B., Head of the Department of Botany and Zoology, Shortridge High School, Indianapolis.

DEPARTMENT OF MATHEMATICS.

ELIJAH N. JOHNSON, A. M., M. S., Professor of Mathematics, Butler College.

CALENDAR.

June 19, Monday—Registration for Summer School.

June 20, Tuesday—Instruction begins.

July 28, Friday—Examinations begin.

July 29, Saturday—Examinations and close of Summer School.

GENERAL ANNOUNCEMENT.

Terms of Admission. There will be no formal examinations for admission. Students, both men and women, will be admitted to such courses as they are qualified to pursue to advantage. The regular class instruction of the Summer School will begin promptly on June 20. After July 3, no change of courses will be allowed, nor will credit for attendance be given to students entering after that date.

Students completing the work of any of the courses in the Summer School and passing examination thereon will be granted a certificate upon request. Regularly matriculated students of Butler College will receive college credit for work done in Summer School.

Fees. The regular fee will be \$10 for each major course, whether elementary or advanced, and \$6 for each minor course taken.

Students taking the course in Nature Study will be charged an additional fee of \$1.00, plus breakage or other damage to apparatus.

Fees must be paid at the time of registration.

When an announced course has not been applied for by at least five students, the instructor shall be at liberty to withdraw the course.

No student will receive credit for work amounting in value to more than two majors or four minors.

All classes meet on Monday, Tuesday, Wednesday, Thursday and Friday unless otherwise specified.

COURSES OF INSTRUCTION

ENGLISH.

1. **THE ENGLISH OF SHAKESPEARE:** This course will deal with those fundamental elements of Elizabethan English which are necessary to a clear understanding of Shakespeare; will treat of the changes in English spelling, pronunciation, idiom, and word-meanings that have taken place since the beginning of the seventeenth century; and will embrace a reading of Macbeth with special reference to these changes. The poetic and dramatic qualities of this play will also receive attention as illustrating Shakespeare's literary style and his methods of dramatic composition. Professor Liddell's edition of Macbeth will be used as a text book for the course. *Minor.* PROFESSOR LIDDELL.
2. **WORDSWORTH AND SHELLEY:** The work of Wordsworth and Shelley furnishes a fitting introduction to the study of Modern English Poetry. With this end in view the course will give especial attention to Wordsworth's Sonnets, Ode on Intimations of Immortality, The Prelude, and The Excursion, and to Shelley's Alastor, Prometheus Unbound, and Adonais, in a detailed examination of the qualities of their verse and the substance of their interest. The Globe edition of Wordsworth and the Cambridge edition of Shelley will be used as text books of the course. *Minor.* PROFESSOR LIDDELL.
3. **THE FORMS OF WRITTEN ENGLISH:** This course will deal with the origin and development of our Modern English Book Letter; will discuss in a general way the forms of English Manuscript writing before the age of printing; and will include a summary treatment of the relation of Modern written English to the spoken idiom, together with an interpretation of the standard form of phonetic transcription. *Minor.*

PROFESSOR LIDDELL.

Course 3 will not be offered if Course 2 is given.

1. **ENGLISH TEACHING IN THE GRADES AND HIGH SCHOOLS:** The course will consist of lectures and informal discussions on the best methods of securing results in teaching grammar, oral and written composition, and literature. Emphasis will fall upon actual classroom work. Compositions will be required from all students. Considerable time will be spent in the analysis of literary material and the study of its presentation in the classroom. All students should provide themselves with Thomas's *How to Teach English Classics* (Houghton, Mifflin & Co.). *Minor.* PROFESSOR THOMAS.

HISTORY AND CIVICS.

1. **POLITICAL HISTORY OF THE UNITED STATES, 1789-1876:** A general survey of American history from the adoption of the constitution to the close of the Reconstruction period, emphasis being laid on political and constitutional topics. Such collateral reading will be done as the brief time permits. *Minor.* PROFESSOR PUTNAM.
 2. **AMERICAN PARTIES AND PARTY LEADERS:** A study of the parties and party issues that have materially influenced the course of American history, together with the attitude and influence of notable party leaders. Each student will make a more detailed study of a selected biography. *Minor.* PROFESSOR PUTNAM.
 3. **INDUSTRIAL HISTORY OF THE UNITED STATES:** Emphasis will be laid on the industrial side of the subject, and the bearing of industrial development on politics will be pointed out. Such subjects as the rise and growth of the leading American industries, the commercial relations of the country, the tariff, westward expansion, internal improvements, and financial and banking problems will receive consideration. A text will be used, supplemented by lectures, assigned readings and reports. *Minor.* PROFESSOR PUTNAM.
- Course 1 will be given, and either course 2 or course 3, but not both.

ROMANCE LANGUAGES.

FRENCH 1: An elementary course in translation, grammar, composition, dictation and conversation. *Minor.*

PROFESSOR GREENE.

SPANISH 1: Similar to French 1. *Minor.*

PROFESSOR GREENE.

FRENCH 2: As advanced a course as the ability of the members of the class permits in translation of the best modern French novels, plays and poetry, and in composition and conversation. *Minor.*

PROFESSOR GREENE.

SPANISH 2: This course corresponds to French 2. *Minor.*

PROFESSOR GREENE.

FRENCH 3: A survey of French literature from the earliest times by means of lectures and by the reading, mostly in translations, of some of the landmarks in the development of the literature. Considerable collateral reading will be required, and a special topic will be assigned each member of the class for an essay. *Minor.*

PROFESSOR GREENE.

FRENCH 4: On request, a lecture and reading course will be given on the Sixteenth, Seventeenth, Eighteenth or Nineteenth century, or on special authors, as on Rabelais, Racine, Moliere, Rousseau, Hugo, etc. *Minor.*

PROFESSOR GREENE.

On request, classes of suitable smallness can be formed for conversation.

GERMAN.

GERMAN 1: An elementary course in translation, grammar, composition, dictation and conversation. *Minor.*

PROFESSOR GREENE.

GERMAN 2: An advanced course corresponding to French 2. *Minor.*

PROFESSOR GREENE.

GERMAN 3: A study of Goethe by means of lectures and the reading, mostly in translation, of his chief works, prose, poetry, and Faust, Part I. Collateral reading required, with an essay on a special topic by each member of the class. *Minor.*

PROFESSOR GREENE.

EDUCATION.

1. EDUCATIONAL PSYCHOLOGY: The course aims to lay a foundation for the scientific treatment of educational problems by making the student familiar with the psychological processes and laws that condition educational practice. The course will treat primarily of instincts, habits, association, memory, and the reasoning processes, with incidental reference to sensation, perception, and the physiological bases. Text, Thorndike's Principles of Teaching. Reference books, Angell's and James's Psychologies. *Minor.* PROFESSOR GIFFORD.
2. PRINCIPLES OF TEACHING: Leading problems of school practice on the basis of modern psychology and sociology. Discussions, required readings, reports, observation work. Dewey's School and Society, James's Talks to Teachers, and parts of McMurry's Method of the Recitation will be covered in the course. The aim will be to make the student conscious of present-day problems of educational practice and theory. *Minor.* PROFESSOR GIFFORD.

NATURE STUDY.

1. NATURE STUDY: A study of common plants and animals; identification of trees; life history of insects; school gardens. Special attention will be given to the field study of birds, their nesting habits, migration, economic value, bird protection. Hodge's Nature Study and Life will be used. A laboratory fee of \$1.00 will be charged. Lectures, laboratory and field work. The course will not be offered for less than twenty students. *Major.* MISS ROUSSEAU MCCLELLAN.

2. **PHYSIOGRAPHY:** A teacher's course in physiography will be offered if a sufficient number desire it. *Minor.*

MISS ROUSSEAU McCLELLAN.

DESCRIPTIVE ASTRONOMY.

1. The course is designed for those wishing a knowledge of the elements of astronomy. No mathematical preparation is necessary. In connection with the descriptive work, two or three nights of each week will be spent at the observatory. This time will be given to the study of the planets and their systems, the moon and its surface conditions, the brightness, colors, and systems of stars, and the nebulae. The prominent stars and constellations will be located and studied. *Major.*

PROFESSOR JOHNSON.

EXTENSION COURSES

IN COOPERATION WITH THE INDIANAPOLIS PUBLIC SCHOOLS.

SATURDAY, OCTOBER 8, 1910—SATURDAY, MAY 16, 1911.

FACULTY.

DEAN.

THOMAS CARR HOWE, PH. D., President Butler College.

SECRETARY.

CHRISTOPHER B. COLEMAN.

EDWARD B. BIRGE, Director of Music, Indianapolis Public Schools.

CHRISTOPHER B. COLEMAN, B. D., Professor of History, Butler College.

GEORGE HENRY DANTON, PH. D., Professor of Germanic Languages, Butler College.

EDWARD MARTIN GREENE, A. M., Assistant Professor of Romance Languages, Butler College.

EDMUND HOWARD HOLLANDS, PH. D., Professor of Philosophy and Education, Butler College.

JOHN S. KENYON, PH. D., Professor of English Literature, Butler College.

ROUSSEAU McCLELLAN, A. M., Head of the Department of Biology and Physical Geography, Shortridge High School.

JAMES W. PUTNAM, PH. D., Professor of Political Science, Butler College.

EITEL RUSKIN RAY, A. M., Indianapolis Normal School.

CHARLES JACOB SEMBOWER, PH. D., Professor of English, Indiana University.

GENERAL ANNOUNCEMENT.

The object of this department is to offer instruction in a limited number of college subjects to persons who can not attend the regular college classes. Classes are held once a week, either after the close of teaching and business hours or on Saturday. The work is of the same standard and character as ordinary college work. But, while the general purpose is culture and training in the methods and spirit of modern scholarship, many of the courses are so shaped as to be of direct use to those engaged in this department counts toward a degree in any institution as ture, or in certain forms of business.

Admission. 1. Any one who has fulfilled the requirements for admission to Butler College is admitted as a *regular student*, i. e., as a candidate for a college degree.

2. Any one who, in the judgment of the instructor, is qualified to do the work which he desires to take, may be admitted to such work as an *unclassified student*. If later he becomes a regular student credits obtained in this department will apply toward a degree.

Fees. The fee for a full, or major, course for the year 1910-'11 will be \$10.00, and for a minor, or half, course, \$6.00. The fee for two consecutive minor courses, however, will be \$10.00, as for a single major. This is due upon registration and must be paid before final enrollment in any class.

Work Required All work, unless otherwise stated, satisfactorily and **Credits.** completed by regular students is credited by Butler College, and is recognized by other Colleges. Thus work in teaching in the public schools, in the study of art and literature as work done in residence. The amount of college credit received for each course is indicated under that course, the unit being a major, which means from forty-five to fifty-five hours of classroom work, or thirty exercises of an hour and a half or more each.

The Indianapolis Board of School Commissioners accepts work in these courses in lieu of the examinations for assistant principals' and principals' certificates, credit in each course completed giving exemption from one of the examinations required, except in the case of the physiography required for the principals' certificates, for which credit equal to a full college major is required.

Those not desiring credit, but wishing to attend the lectures, or engage in the work planned by the instructors, may enroll in any of the courses, subject to the consent of the instructor, and need not take examinations.

COURSES OF INSTRUCTION

The courses announced below are in some cases alternatives, those to be given depending upon the number of students desiring and enrolling for each. A student enrolling for a course not given may change or withdraw his enrollment.

GERMAN.

1. **ELEMENTARY GERMAN:** The course aims to give systematic training in the spoken as well as the written language. The emphasis is on the practical mastery of forms and the easier idioms and on the rapid reading of a large number of texts. *Major.* PROFESSOR DANTON.
2. **SECOND YEAR GERMAN:** A continuation of the first year's work; free reproduction from oral drill, rapid reading and more intensive study of morphology and syntax. *Major.* PROFESSOR DANTON.

FRENCH.

An elementary or advanced course will be given if taken by not less than ten students. *Major.*

ASSISTANT PROFESSOR GREENE.

ENGLISH.

1. **ENGLISH COMPOSITION:** A course in practical writing. Its chief objects are correctness and facility in the use of English. *Major.* PROFESSOR SEMBOWER.
2. **THE DEVELOPMENT OF SHAKESPEARE AS A DRAMATIST:** A brief study of the growth of the drama up to Shakespeare, followed by a reading of many of his plays and study of their technique. *Major.* PROFESSOR KENYON.
3. **ENGLISH LITERATURE IN THE VICTORIAN PERIOD:** Beginning with 1830, this course covers the literature of the next fifty years, including the work of Tennyson, Browning, Matthew Arnold, Clough, William Morris, Swinburne, the Rossettis, Macaulay, Carlyle, Ruskin, Newman, Dickens, Thackeray, George Eliot and George Meredith. The course deals with the principal tendencies that have been manifested in literature since the romantic revival at the beginning of the century. *Major.* PROFESSOR SEMBOWER.

PHILOSOPHY AND EDUCATION.

1. **THEORY OF EVOLUTION:** An historical review of the development of the evolutionary idea from its origin among the Greeks down to the present, followed by an examination of some of its modern applications in philosophy, ethics and religion. While the biological use of the idea will be examined at some length, this is not a course in biological theory, nor does it presuppose technical acquaintance with either biology or philosophy on the part of the student. *Major.* PROFESSOR HOLLANDS.
2. **EDUCATIONAL PSYCHOLOGY:** The course can be adapted to the wishes of the class. In general, the aim will be to arrive at a psychological basis for the interpretation of school problems. *Major.* MR. RAY.

CIVICS AND ECONOMICS.

1. **INDUSTRIAL HISTORY OF THE UNITED STATES:** Emphasis will

be laid on the industrial side of the subject, and the bearing of industrial development on politics will be pointed out. Such subjects as the rise and growth of the leading American industries, the commercial relations of the country, the tariff, westward expansion, internal improvements and financial and banking problems will receive consideration. A text will be used, supplemented by lectures, assigned readings and reports. *Major.*

PROFESSOR PUTNAM.

HISTORY.

HISTORICAL WRITINGS: Informal lectures and discussion of the most important historical works in English. The first half of the course will be devoted to works upon American History. One or more lessons each will be given to such works as those of Bancroft, Parkman, C. F. Adams, Rhodes, Channing and Winsor. The second half of the course will take up writings upon either English or Continental European History, and will include discussions of such works as those of Macaulay, Froude, Bryce, H. C. Lea and von Ranke. Students may do the reading required either by taking a large amount in any one of the works considered or by taking short assignments in several. *Major.*

PROFESSOR COLEMAN.

NATURE STUDY.

1. **NATURE STUDY:** A study of common plants and animals; identification of trees; field study of birds; life history of insects; preparation of aquaria. Hodge's Nature Study and Life will be used. The exact amount of college credit given is dependent in part upon the amount of field and laboratory work done. Lectures, laboratory and field work. *Major.*

MISS ROUSSEAU MCCLELLAN.

MUSIC.

MUSICAL LITERATURE AND HARMONY: A practical course in chord classification, ear-training and musical appreciation. While of special interest to teachers in the public schools, the course is open to others. *Major.*

MR. EDWARD B. BIRGE.

COMMENCEMENT RECORD

1910.

DEGREES CONFERRED.

Bachelor of Arts.

ANDERSON, MONTA.	HUSSEY, LORA.
BARNETT, CARL HARRY.	HYMAN, HERBERT ROBERT.
BOSTON, JESSIE MAUDE.	McKAY, ROBERT JAMES.
BRADEN, FANNIE JULIA.	MURPHY, ANNA KATHERINE.
BURKHARDT, JOHN WESLEY.	POWERS, GRANVILLE FRANK.
HANNA, MARY EARLE.	ROBINSON, DANIEL SOMMER.
HANWAY, OTTA RAY.	RYKER, BLANCHE AVON.
HARTLEY, ALONZO ALBERT.	TICHENOR, BARCUS.
HUNT, IRENE BROOKS.	TILSON, MARIE AGNES.

Master of Arts.

BURKHARDT, CARL ALONZO, A. B.
TRUSTY, CLAY, A. B.

PRIZES AWARDED.

University of Chicago Scholarships—BLANCHE AVON RYKER, IRENE BROOKS HUNT, BARCUS TICHENOR.

Winners of Addison C. Harris Medals—

First Place in Oratorical Contest—FRED EDWARD SCHORTEMEIER.

Debating Teams—RALPH BATTON, CLIFFORD H. BROWDER.

ERNEST M. LINTON, DONALD MELLETT, CLARENCE REIDENBACH,

FRED E. SCHORTEMEIER.

Senior Scholarship—FLORA MARGARET FRICK.

CATALOG OF STUDENTS

ANNUAL SESSION ENDING JUNE 15, 1911.

GRADUATE STUDENTS.

BURKHARDT, JOHN WESLEY, A. B.	Indianapolis.
(Butler College)	
HINMAN, JACK JONES, Jr., Butler College	Indianapolis.
LEE, ALEXANDER YING, B. S., Hiram College	Nanking, China.
LEE, CHARLES OTIS, A. B., Butler College	Indianapolis.
LEITCH, ANDREW, Butler College	Kilmartin, Ontario.
MILLER, IVY LOWELL, A. B., Butler College	Indianapolis.
RUSSELL, MAUDE MURIEL, A. B.,	Indianapolis.
(Butler College)	
STEVENSON, LOUISE, A. B.	Decatur, Ill.
(The James Milliken University)	
TRUEBLOOD, EDNA ADAMS, A. B.,	Indianapolis.
(Earlham College)	

UNDERGRADUATE STUDENTS.

ABBOTT, EDWIN ALBERT	Burlington, Wis.
ADDINGTON, ZOE WARD	Indianapolis.
ALLEN, CHARLOTTE LUCILE	Indianapolis.
ALLEN, RUSSELL CLARE	New Palestine.
ALLENDER, LESNER HERBERT	Arlington.
ANDERSON, CHARLES MEEKS	Brownstown.
APPLEGATE, ALBERT O.	Indianapolis.
ARBUCKLE, ELVA	Indianapolis.
ARBUCKLE, FRED GRIFFIE	Homer.
ATHERTON, RUSSELL	Cumberland.
AYRES, VIDA ELLANOR	Indianapolis.
BACHMAN, IRMA	Indianapolis.

BADGER, KENNETH RAINEY	Indianapolis.
BAILEY, MAXWELL VORHIS	Southport.
BAKER, BURT	Indianapolis.
BAKER, ENOS H.	Indianapolis.
BARNHIZER, MAUD	New Augusta.
BARR, MARGARET ANN	Indianapolis.
BATTON, RALPH	North Vernon.
BAUR, STELLA H.	Indianapolis.
BAXTER, ELIZABETH HELEN	Alexandria.
BAXTER, ETHEL LOUISE	Alexandria.
BEBOU, HARTER BROWN	Rushville.
BENNETT, ETHEL LOUISE	Fountain City.
BERRY, CARL RAYMOND	Carthage.
BINFORD, LETTA MARIE	Greenfield.
BLACKLIDGE, ALLEN THRASHER	Rushville.
BLACKLIDGE, ETHEL	Rushville.
BLAIR, HAROLD	Indianapolis.
BOND, LORA MAE	Indianapolis.
BOOE, GENEVIEVE	Kingman.
BOOS, IDA BUEHLER	Indianapolis.
BOSTON, FLOYD	Indianapolis.
BOWEN, THERESA	Danville.
BOYER, MARGRETTE	Jacksonville, Fla.
BRADLEY, HAROLD THOMAS	Indianapolis.
BRAGG, MARY	Indianapolis.
BRANDON, MARY JANE	Kokomo.
BREADHEFT, JESSIE GLADYS	Indianapolis.
BREWER, JANE ABIAH	Milwaukee, Wis.
BROWDER, CLIFFORD HARRISON	Indianapolis.
BROWN, FRANK LACY	Noblesville.
BROWN, KATHERINE PORTER	Indianapolis.
BROWN, MARTHA LOUISE	Indianapolis.
BROWNING, NETTA DEWEESE	Indianapolis.
BRUNSON, AUSTIN	Carmel.
BRYANT, EDITH	Indianapolis.

BUCK, ROBERT WILLIAM	Indianapolis.
BURKHARDT, CLARENCE WARE	Elwood.
BURKHARDT, HALLY CECIL	Tipton.
BUSCHMANN, ALMA	Indianapolis.
CALHOUN, PAULINE LOUISE	Kokomo.
CAMPBELL, RUTH	Indianapolis.
CANNADAY, CORA MAY	Selma.
CASSADY, FLORENCE	Indianapolis.
CHENEY, RUTH ANN	Indianapolis.
CHOW, KNEI	Yangchow, China.
CHOWEN, ROY JURY	Indianapolis.
CLARKE, IRA DOUP	Edinburg.
CLARK, L. PAULINE	Indianapolis.
CLARK, MARY ELIZABETH	Clark's Hill.
CLAY, LESLEY ELLIS	Portland, Ore.
CLIFFORD, JEANNETTE	Indianapolis.
COLEMAN, NORA	McCordsville.
COLLINS, ETHEL	Wanamaker.
COLLINS, HAZEL LOTUS	Indianapolis.
CONWAY, WILLIAM OAKLEY	Indianapolis.
CRUSE, GLENN	Zionsville.
CULLEN, JOHN	Indianapolis.
CURTIS, VANCE STANLEY	North Vernon.
DANIELS, ELVIN	Indianapolis.
DAVIES, VESTA FLORENCE	Indianapolis.
DAVISON, FRANK ELON	Brownsburg.
DENK, ANDREW LAWRENCE	New Palestine.
DENSFORD, CLARICE LILLIAN	Crothersville.
DENSFORD, FLORENCE OPAL	Austin.
DENSFORD, RUTH ELIZABETH	Crothersville.
DEVANEY, ETHEL PEARL	Noblesville.
DEWALD, EVA MARGARET	Indianapolis.
DOBSON, CAREY CLEO	Brownsburg.
DOEPPERS, WILLIAM AUGUST	Indianapolis.
DOLLARHIDE, WINIFRED	Indianapolis.

DOREMUS, MARIE ROBINETT	Indianapolis.
DOWNES, MARIE ELLEN	Indianapolis.
DUDEN, MARGARET KAROLA	Indianapolis.
DUVALL, SYLVESTER	Indianapolis.
EDGINGTON, GENEVRA FRANCES	Boulder, Colo.
EMPSON, MATTIE	Brownstown.
EPPERT, MADGE ELIZABETH	Indianapolis.
EVERHART, ALBERT JOSEPH	Sharon, Pa.
FALL, CRYSTAL BRENTON	Indianapolis.
FELT, MABEL MELSENA	Indianapolis.
FERGUSON, CHARLOTTE HAIGH	Indianapolis.
FIERS, FOREST LELAND	Redkey.
FINLEY, HEZEKIAH	Seymour.
FINN, JOHN RICHARD	Indianapolis.
FLEMING, MARY	Indianapolis.
FORTNER, EDITH ELIZABETH	New Augusta.
FORSYTH, HAIDEE ALICE	Indianapolis.
FOUST, EDMOND	Wilkinson.
FRICK, FLORA MARGARET	Indianapolis.
GANT, MABLE BANKS	Greenfield.
GARBER, MARJORIE ADIANA	Frankfort.
GARNER, HERMON P.	Brownsburg.
GASHO, MINNIE MARGARET	Tipton.
GAWNE, KATHARINE	Indianapolis.
GAY, SYLVINIA DOROTHY	Indianapolis.
GEORGE, RICHARD	Broad Ripple.
GLASS, ELBERT FRANCIS	Indianapolis.
GLENDENNING, GEORGE SUTTON	Indianapolis.
GORDON, MARJORY JERSEY	Indianapolis.
GRAHAM, MARY ELLEN	Indianapolis.
GRAHAM, HOPE WHITCOMB	Indianapolis.
GREER, BEULAH	Indianapolis.
GUEDEL, CLARENCE EROYDON	Indianapolis.
HABBE, EDITH	Indianapolis.
HADLEY, GLADYS ELLEN	Plainfield.

HADLEY, KLEBER W.	Indianapolis.
HAMP, HENRY ADAMS	Indianapolis.
HAMP, ROBERT JOHANNIS	Indianapolis.
HARKELROAD, JESSIE MAE	Plainfield.
HARNEY, MARY BELLE	Indianapolis.
HARRIS, MILDRED LAVINIA	Indianapolis.
HARRY, MARY GWYNETH	Elwood.
HARSHMAN, EDITH HENRIETTA	Indianapolis.
HARTLEY, JAMES WORTH	Indianapolis.
HASTINGS, DANIEL ADOLPHUS	Springfield, Jamaica.
HECKER, SIDNEY ERNESTINE	Indianapolis.
HEIDER, FRIEDA E.	Indianapolis.
HEINRICHS, NELSON W.	Indianapolis.
HENDRICKSON, RUTH	Indianapolis.
HESSONG, SYLVIA ELIZA	Nora.
HIATT, FREDERICK WILBURN	Castleton.
HIBBEN, THOMAS ENTRICKEN	Indianapolis.
HICKS, ELMER CALLAWAY	South Bend
HIGHAM, ELMO BENTON	Brownsville
HILL, FRANCES LEOLA	Indianapolis.
HINMAN, JACK JONES, JR.	Indianapolis.
HOLLADAY, CLARA ELENORA	Indianapolis.
HOOVER, BEATRICE RACHEL	Bridgeport.
HOSKOT, FLORENCE IDA	Dayton, O.
HOSS, PAULINE	Kokomo.
HOVEY, HELEN	Indianapolis.
HUBBARD, MARY MARGUERITE	Indianapolis.
HUCKEMEYER, CHARLES EARL	Indianapolis.
HUGHES, HILDRED	Indianapolis.
HUGHES, LUCY MARGARET	Greenfield.
HUNT, ERNEST MARTIN	Indianapolis.
HUTCHINGS, JOHN WILLARD	Kokomo.
JACOBS, FRED HARVEY	Bargersville.
JAMES, MARY ELA	Indianapolis.
JOHNS, EVERTS	Nabb.

JOHNSON, HARRY	Cumberland.
JOHNSON, PAUL HENDRICKS	Indianapolis.
JOHNSTON, MARY LORENDA	Rushville.
JONES, RAY VAUGHN	Cromwell.
JOPLIN, HATTIE SEALE	Sipe Springs, Texas.
JUDD, MAURICE BEAUFORT	Indianapolis.
KASSEBAUM, WILLIAM CLAUDE	Indianapolis.
KAUTZ, CORDELIA	Kokomo.
KAUTZ, DOROTHY	Kokomo.
KEACH, BENJAMIN HARRISON	Brownstown.
KEISER, ROBERT LARRICK	Bloomington, Ill.
KENNEY, JOHN EDWARD	Indianapolis.
KINCAID, MARTHA MAY	Indianapolis.
KINGSBURY, LAYMAN DWIGHT	Indianapolis.
KIRKHOFF, LOUISE NAPOLEON	Indianapolis.
KUHN, MILDRED MARY	Indianapolis.
LANG, LYDIA JANE	Lafayette.
LEAK, VIRGIL THOMAS	Indianapolis.
LEECH, GARLAND DELL	Indianapolis.
LEITCH, ANDREW	Kilmartin, Ontario.
LETT, HARRY F.	Wheatland.
LEWIS, EDWIN JOSEPH	Indianapolis.
LINGEMAN, LESLIE ROBERTS	Brownsburg.
LINTON, ERNEST MARSHALL	Cumberland.
LITTLE, JOHN GROVER	Cumberland.
LLOYD, ALLEN HENRY	Indianapolis.
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MCBRIDE, MARY SYFERS	Indianapolis.
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McCord, Audrey	Indianapolis.
McCord, Ella Jane	Indianapolis.
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McHATTON, FLORENCE WARD	Indianapolis.
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MACLEOD, RODERICK ALEXANDER	Indianapolis.
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MATHEWS, WILLIAM RANKIN	Indianapolis.
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WOLF, PEARL REBECCA	Indianapolis.
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SUMMARY.

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	— 579
Deduct for names counted twice	39
	—
Total number of Students	540

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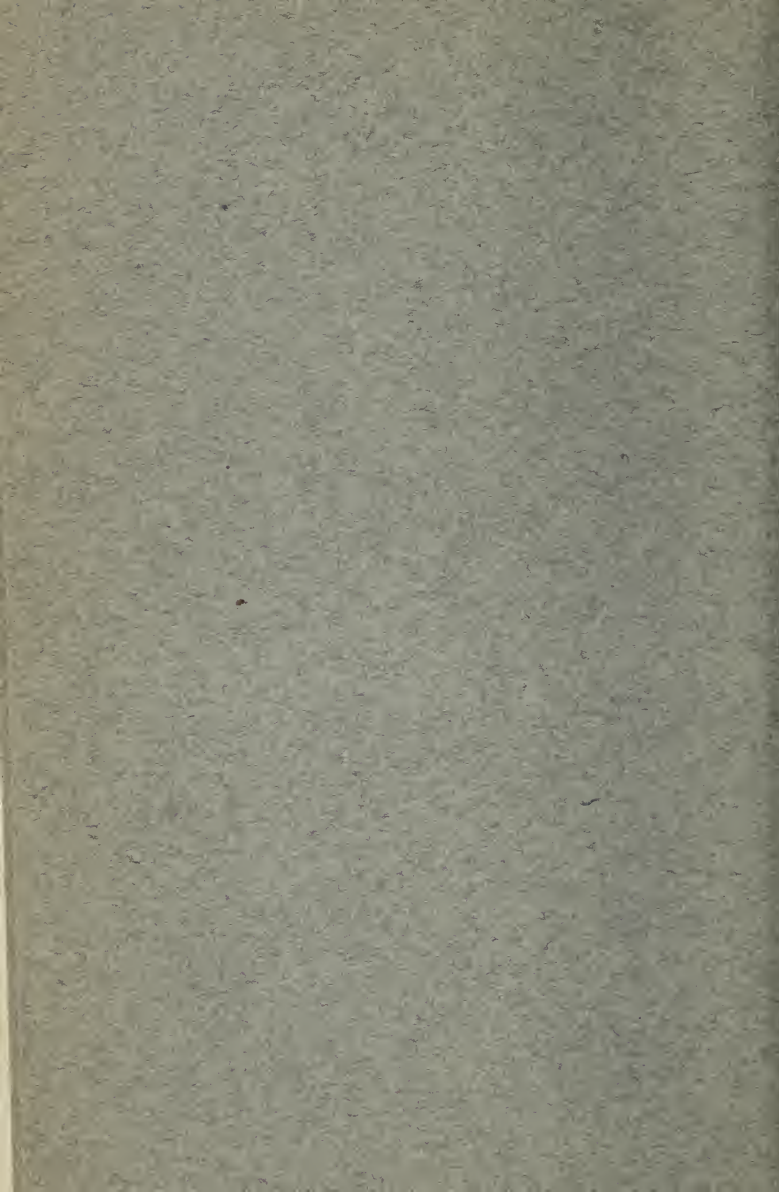
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COLLEGE CALENDAR

SUMMER TERM, 1912

June 24.....Monday.....Registration.
June 25.....Tuesday.....Instruction Begins.
Aug. 2, 3.....Friday, Sat'd'y. Examinations and Close of Summer Term.

FALL TERM, 1912

Sept. 17.....Tuesday.....Registration and Assignment of Work.
Sept. 18.....Wednesday.....Instruction Begins.
Oct. 9.....Wednesday.....Quarterly Meeting Board of Directors.
Nov. 28-30.....Thursday-Sat...Thanksgiving Vacation.
Dec. 3, 4.....Tuesday, Wed...Registration for Winter Term.
Dec. 12-14.....Thursday-Sat...Term Examinations and Close of Fall Term.

WINTER TERM, 1913

Jan. 2.....Thursday.....Registration and Assignment of Work.
Jan. 3.....Friday.....Instruction Begins.
Jan. 8.....Wednesday.....Quarterly Meeting Board of Directors.
Feb. 7.....Friday.....Founder's Day.
March 11, 12....Tuesday, Wed...Registration for Spring Term.
March 20, 22....Thursday-Sat...Term Examinations and Close of Winter Term.

SPRING TERM, 1913

March 27.....Thursday.....Registration and Assignment of Work.
March 28.....Friday.....Instruction Begins.
April 9.....Wednesday.....Quarterly Meeting Board of Directors.
May 12.....Monday.....Normal Course for Teachers Begins.
June 14, 16, 17...Sat., Mon., Tue..Term Examinations.
June 15.....Sunday.....Baccalaureate Sermon.
June 17.....Tuesday.....President's Reception.
June 18.....Wednesday.....Alumni Reunion and Class-Day Exercises.
June 19.....Thursday.....Fifty-Eighth Annual Commencement.

SUMMER TERM, 1913

June 23.....Monday.....Registration.
June 24.....Tuesday.....Instruction Begins.
August 1, 2.....Friday, Sat'd'y. Examination and Close of Summer Term.

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Interests.*

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Ph. B., Butler College, 1889; A. M., *ibid.*, 1893; Student, University of Berlin, 1890-'92; Graduate Student, Harvard University, 1896-'99; A. M., *ibid.*, 1897; Ph. D., *ibid.*, 1899; Instructor in German, *ibid.*, 1898-'99; Instructor in German and Latin, Butler College, 1889-'90; Armstrong Professor of Germanic Languages, *ibid.*, 1890-1910; Dean, Butler College, 1907-'08; President Butler College, 1908-—.

ALLEN RICHARDSON BENTON, A. M., LL. D., Professor of Philosophy, Emeritus.

A. B., Bethany College, 1848; A. M., *ibid.*, 1849; Professor of Latin and Greek, Northwestern Christian University, 1855-'61; President Northwestern Christian University, 1861-'68; President Alliance College, 1869-'71; LL. D., Butler College, 1871; Chancellor University of Nebraska, 1871-'76; Professor of Philosophy, Butler College, 1876-'96; President Butler College, 1886-'91.

SCOT BUTLER, A. M., LL. D., Professor of Latin Language and Literature, Emeritus. (124 Downey Avenue.)

A. B., Northwestern Christian University, 1868; A. M., *ibid.*, 1870; Student Classical Philology, University of Halle, and University of Berlin, 1873-'75; LL. D., Butler College, 1896; Instructor in Latin and Mathematics, Indiana University, 1869-'72; Professor of Latin, Butler College, 1871-1907; President Butler College, 1891-1904; 1906-'07.

HENRY LANE BRUNER, A. B., Ph. D., Professor of Biology and Geology. (360 South Ritter Avenue.)

A. B., Abingdon College, 1880; Student Sheffield Scientific School, Yale College, 1880-'81; Assistant in Marine Investigations of U. S. Commission of Fish and Fisheries, 1881-'84; Student of Comparative Anatomy, University of Freiburg, Baden, 1895-'97; Ph. D., *ibid.*, 1896; George Leib Harrison Research Fellow in Zoology, University of Pennsylvania, 1910-'11; Professor of Natural Sciences, Abingdon College, 1881-'84; Professor of Natural Sciences, Eureka College, 1884-'86; Professor of Biology and Geology, Drake University, 1891-'92; *idem*, Butler College, 1892-—.

JABEZ HALL, A. M., Professor of Homiletics and Theology. (28 South Irvington Avenue.)

A. B., Bethany College, 1865; A. M., Butler College, 1898; Pastor Christian Church, Wheeling, W. Va., 1866-'72; Cleveland, Ohio, 1872-'89; Richmond, Va., 1889-'97; Professor of Homiletics and Theology, Butler College, 1897-—.

CHRISTOPHER BUSH COLEMAN, A. B., B. D., Professor of History. (33 Downey Avenue.)

A. B., Yale University, 1896; Auburn Theological Seminary, 1896-'97; Chicago Theological Seminary, 1897-'98; Divinity School, The University of Chicago, 1898-'99; B. D., *ibid.*, 1899; Student, University of Berlin, 1904-'05; Student, Columbia University, 1911-'12; Professor of Church History and Acting Professor of History, Butler College, 1900-'09; Professor of History, *ibid.*, 1909- —.

ELIJAH NEWTON JOHNSON, A. M., M. S., Professor of Mathematics. (304 Downey Avenue.)

A. B., Drake University, 1893; A. M., *ibid.*, 1895; M. S., University of Kansas, 1904; Professor of Mathematics, Campbell University, 1893-1903; Graduate Student in Mathematics and Astronomy, The University of Chicago, 1902-'03; Graduate Student in Mathematics and Physics, University of Kansas, 1903-'04; Graduate Student in Mathematics and Astronomy, The University of Chicago, 1905; Acting Professor of Mathematics, Butler College, 1904-'09; Professor of Mathematics, *ibid.*, 1909- —.

JOHN SAMUEL KENYON, A. M., Ph. D., Demia Butler Professor of English Literature. (70 Layman Avenue.)

A. B., Hiram College, 1898; A. M., The University of Chicago, 1903; Fellow in English, *ibid.*, 1903-'04; University Scholar, Harvard University, 1905-'06; Thayer Scholar, *ibid.*, 1906-'07; Teacher in public schools, Medina, O., 1892-'93; Teacher of Greek, Latin, and English, West Kentucky College, 1898-'99; Professor of Greek and Hebrew, Christian University, Canton, Mo., 1899-1901; Assistant in English, Harvard University, 1905-'06; Ph. D., *ibid.*, 1908; Lecturer in English Language and Literature, Summer School, The University of Wooster, 1910 and 1911; Professor of English, Butler College, 1906- —.

KATHARINE MERRILL GRAYDON, A. M., Catharine Merrill Professor of English Literature. (303 Downey Avenue.)

A. B., Butler College, 1878; A. M., Indiana University, 1883; Instructor in Indiana University, 1883-'84; Graduate Student, Radcliffe, 1885-'86; Professor of Greek, Hastings College, 1888-'91; Instructor, Oakland High School, 1891-'98; Graduate Student, The University of Chicago, 1898-'99; Professor of English, Oahu College, 1900-'07; Acting Professor of Greek, Butler College, 1907-'09; Catharine Merrill Professor of English Literature, *ibid.*, 1909- —.

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Ph. B., Illinois College, 1894; Graduate Student, The University of Chicago, 1895, and Summer Quarters, 1897, 1900, 1901 and 1903; Instructor in History and Political Science, Illinois

College, 1894-'98; Assistant Professor (in charge) of History and Economics, *ibid.*, 1898-1903; Fellow, Cornell University, 1902-'03; A. M., *ibid.*, 1903; Assistant and Graduate Student, University of Wisconsin, 1903-'04; Ph. D., *ibid.*, 1909; Instructor in Economics and Sociology, Northwestern University, 1904-'06; Instructor in Economics, University of Missouri, 1906-'09; Professor of Economics and Political Science, Butler College, 1909-—.

GEORGE HENRY DANTON, A. B., Ph. D., Armstrong Professor of Germanic Languages.

A. B., Columbia University, 1902; Assistant in Comparative Literature, *ibid.*, 1902-'03; Austin Teaching Fellow in German, Harvard University, 1903-'04; Ottendorfer Fellow (New York University) Student, Berlin and Munich, 1904-'05; Ph. D., Columbia University, 1907; Instructor in German, College for Women, Western Reserve University, 1905-'07; Acting Assistant Professor of German, Leland Stanford, Jr., University, 1907-'10; Armstrong Professor of Germanic Languages, Butler College, 1910-—.

EDMUND HOWARD HOLLANDS, A. M., Ph. D., Professor of Philosophy.

Ph. B., Cornell University, 1899; Graduate Scholar, Sage School of Philosophy, Cornell University, 1900-'01; A. M., *ibid.*, 1901; Instructor in Latin and German, Wilson School for Boys, Fishkill-on-Hudson, 1901-'03; Graduate Student and Sage Fellow in Philosophy, Cornell University, 1903-'05; Ph. D., *ibid.*, 1905; Instructor in Philosophy, Sage School of Philosophy, 1905-'06; Instructor in Philosophy, Princeton University, 1906-'07; Instructor in Philosophy, Cornell University, 1907-'09; Assistant Professor of Philosophy, Hamilton College, 1909-'10; Professor of Philosophy and Education, Butler College, 1910-—.

HENRY MILLS GELSTON, A. B., Professor of Latin Language and Literature.

A. B., University of Michigan, 1900; Student, American School of Classical Studies, Rome, 1900-'01; Teacher of Latin in High School, Bay City, Michigan, 1901-'06; Graduate Student of Classics, University of Michigan, 1906-'10; Acting Professor of Latin Language and Literature, Butler College, 1910-'11; Professor of Latin Language and Literature, *ibid.*, 1911-—.

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A. B., Transylvania University, 1898; A. M., *ibid.*, 1903; B. D., Yale University, 1904; Ph. D., Harvard University, 1906; Williams Fellow, Harvard University, 1905-'06; Professor of Christian History and Doctrine, College of the Bible, Lexington, Kentucky, 1906-'11; Dean, *ibid.*, 1910-'11; Reeves Memorial Professor, Head of the Department of Ministerial Education, Butler College, 1911-—.

JAMES BROWN, A. M., Ph. D., Professor of Chemistry.

A. B., Yale University, 1902; A. M., *ibid.*, 1903; Ph. D., *ibid.*, 1905; Assistant Instructor in Chemistry, Yale University, 1903-'05; Professor of Chemistry and Physics, Illinois College, 1905-'08; Professor of Chemistry and Physics, William and Vashti College, 1908-'11; Graduate Student, University of Chicago, Summer Quarters, 1906, 1908-'11; Professor of Chemistry, Butler College, 1911- —.

MARK HARVEY LIDDELL, A. B., A. M., Acting Professor of English Literature.

B. A., Princeton University, 1887; University Fellow in English, Princeton, 1888-'89; M. A., Princeton, 1889; Latin Master, Lawrenceville School, 1891-'93; Studied English at Oxford University, 1893-'94; at University of Berlin, 1894-'95; at Oxford University, 1895-'96; Professor of English and Head of the English Department, University of Texas, 1897-1900; since then engaged in editing *The Elizabethan Shakespere*; Acting Professor of English Literature, Butler College, 1912.

EDWARD MARTIN GREENE, A. M., Assistant Professor of Romance Languages.

A. B., Harvard University, 1903; Student at Rouen, France, 1896-'97; Instructor in German, High School, Watertown, Massachusetts, 1903-'05; Head of the French Department, Cheshire School, Cheshire, Connecticut, 1905-'07; Head of the French Department, Hotchkiss School, Lakeville, Connecticut, 1907-'09; Teaching Fellow in French, University of Wisconsin, 1909-'10; A. M., *ibid.*, 1910; Assistant Professor of Romance Languages, Butler College, 1910- —.

JAMES GARFIELD RANDALL, A. M., Ph. D., Acting Professor of History.

A. B., Butler College, 1903; A. M., University of Chicago, 1904; Graduate Student, University of Chicago, 1907-'11; Instructor in History and Political Science, Illinois College, 1907-'08; Assistant in American History, University of Michigan, 1908-'09; Fellow in History, University of Chicago, Summer and Fall, 1909; Instructor in History and Political Science, Syracuse University, 1910-'11; Ph. D., University of Chicago, 1911; Acting Professor of History, Butler College, 1911-'12.

CORNELIA ALLEN-FORREST, A. M., Instructor in English. (30 Audubon Place.)

Ph. B., Hiram College, 1892; Graduate Student in English, Buchtel College, 1893-'94; Graduate Student in English, Philosophy and History, The University of Chicago, 1894-'96; A. M., Hiram College, 1897; Teacher in Akron, O., Public Schools, 1892-'93; Instructor in English and History, Lockland, O., High School, 1897-1900; Principal, *ibid.*, 1900-'01; Instructor in English and History, Butler College, 1901-'07; Instructor in English, Butler College, 1907- —.

ANNA FRANCES WEAVER, A. M., Instructor in Modern Languages.

A. B., Leland Stanford, Jr., University, 1898; A. M., *ibid.*, 1899; Student, Universities of Leipzig and Zurich, 1899-'01; Fellow and Instructor, Leland Stanford, Jr., University, 1902-'03; Principal, Private School, Logansport, Indiana, 1903-'06; Joint Principal, Girls' Classical School, 1906-'10; Instructor in Modern Languages, Butler College, 1910-—.

HARVEY B. STOUT, JR., LL. B., Instructor in Forensics.

LL. B., Indiana Law School, 1907; Special Student in Forensics, University of Michigan, Summer 1907; Professor of English and Forensics, McMinnville College, Oregon, 1907-'08; Professor of Forensics, Dallas College, Oregon, 1908-'09; Lecturer on Legal Forensics, American Central Law School, 1909-—; Instructor in Forensics, Butler College, 1909-—.

MYRTLE LEWELLYN TAYLOR, Instructor in Art.

Assistant Indianapolis High School, 1893-'94; Special Drawing Teacher, Graded Schools, Indianapolis, 1895-'96; Principal of Art Department, Greenville College, 1897-'99; Butler College, 1900-—.

CARL BROSIUS SPUTH, Director of Physical Training.

Graduate Student, Normal College of N. A. G. U., 1904; Supervisor of Physical Training, Public Schools, Leadville, Colorado, 1904-'06; Director of Social Turnverein, Indianapolis, 1906-'10; Instructor, Butler College, 1906-'07; Instructor, Normal College of N. A. G. U., 1907-'10; Director of Physical Training, Butler College, 1909-—.

MRS. E. N. EDGINGTON, Head of College Residence.

CHARLOTTE FERGUSON, Librarian.

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(Courses open to Butler College Students.)

CHARLES THOMAS PAUL, A. M., Principal, Professor of Comparative Religion and Missionary History. (5448 University Avenue.)

A. B., Hiram College, 1901; Graduate Student in Philosophy and Romance Languages, Western Reserve University, 1902; A. M., Hiram College, 1902; Professor of Modern Languages, Hiram College, 1900-'05; Professor of English, Christian College (The University of Nanking), Nanking, China, 1905-'06; Professor of Modern Languages and Director Department of Missionary Service, Hiram College, 1906-'10; Principal, Missionary Training School, 1910-—.

HARRY CLARK HURD, A. M., M. D., Professor of Anthropology and Missionary Science. (5446 University Avenue.)

A. B., Hiram College, 1899; M. D., Miami Medical College, University of Cincinnati, 1902; A. M., Hiram College, 1912; Assistant Professor, Department of Missionary Service, Hiram College, 1909-'11; Professor of Anthropology and Missionary Science, Missionary Training School, 1911-—.

FRED ELMORE LUMLEY, M. A., B. D., Ph. D., Professor of Sociology.

B. A., Hiram College, 1905; M. A., McMaster University, Toronto, Canada, 1907; B. D., Yale Divinity School, 1909; Ph. D., Yale University, 1912; Principal Sinclair College, St. Thomas, Ontario, 1906-'08; Assistant in Anthropology, Yale University, 1909-'12.

Officers of the Faculty.

THOMAS C. HOWE.....	President
JAMES W. PUTNAM.....	Registrar and Secretary
JOHN S. KENYON.....	Examiner
ELIJAH N. JOHNSON.....	Adviser
HENRY L. BRUNER.....	Curator of Museum

Faculty Committees.

Graduate Studies.

PROFESSORS PUTNAM, HOLLANDS, MORRO, HALL, BRUNER.

Debate and Oratory.

PROFESSORS KENYON, PUTNAM, DANTON.

College Paper.

PROFESSORS HOLLANDS, BRUNER, DANTON.

Athletics.

PROFESSORS JOHNSON, GELSTON, LOUIS J. MORGAN, Alumni Member

Class Standing.

PROFESSORS GELSTON, RANDALL.

Chapel Exercises and Religious Associations.

PROFESSORS PUTNAM, MORRO AND MRS. CORNELIA ALLEN-FORREST

Student Affairs.

PRESIDENT AND PROFESSORS PUTNAM, KENYON,
AND MISS KATHARINE GRAYDON.

Library.

PROFESSORS RANDALL, KENYON, ASSISTANT PROFESSOR GREENE.

Auditing.

PROFESSORS JOHNSON, GELSTON AND SECRETARY BUTLER, *ex officio*.

Special Studies.

PRESIDENT, REGISTRAR, EXAMINER AND ADVISER.

Schedule.

PROFESSORS JOHNSON, DANTON, GELSTON.

HISTORICAL SKETCH

Butler College operates under a special charter granted by the Indiana Legislature in 1849. This charter is ample for university purposes, as will be seen from the following clause defining the purposes and scope of the institution :

“The objects and purposes contemplated by this act of incorporation are hereby declared to be, to establish, found and build up, maintain, sustain and perpetuate at or in the vicinity of Indianapolis, in the State of Indiana, an institution of learning of the highest class, for the education of the youth of all parts of the United States, and especially the States of the Northwest; to establish in said institution departments or colleges for the instruction of the students in every branch of liberal and professional education; to educate and prepare suitable teachers for the common schools of the country; to teach and inculcate the Christian faith and Christian morality as taught in the Sacred Scriptures, discarding as uninspired and without authority all writings, formulas, creeds and articles of faith subsequent thereto; and for the promotion of the sciences and arts.”

This charter went into effect January 15, 1850. Funds were subscribed by members of the Christian churches and citizens of Indiana, and the College opened its doors November 1, 1855, in the old Northwestern Christian University buildings in what is now College avenue, the City of Indianapolis. The College of Liberal Arts, opened at that time, has had an uninterrupted existence, and from time to time the institution, either through affiliation or by act of its own directors, has conducted professional schools and carried on university work. At the present time the directors have thought best to concentrate their efforts on the School of Liberal Arts, and at the same time, by husbanding resources and collecting additional funds, to prepare to add departments, as circumstances may warrant.

The general control of the institution's affairs is vested in a self-perpetuating Board of twenty-one directors. In 1873 the Board determined to remove to Irvington. It was felt that a suburb, withdrawn somewhat from the distractions of the city, and yet enjoying all the advantages of the capital city, would afford a more desirable place of residence for students. In 1875 instruction of the College classes was begun in the new location.

The name of the institution was changed from Northwestern Christian University to Butler University, February 28, 1877, in recognition of the benefactions of Ovid Butler. This change did not affect any chartered obligations of the corporation in respect to the property or graduates, or its purposes, all of which have been determined by a legislative act and the recorded resolutions of the Board of Directors.

By resolution of the Board of Directors April 8, 1896, the name "Butler College" was adopted in lieu of "Butler University," to designate the undergraduate academic department, which is the only part of the comprehensive plan outlined in the charter that has as yet been realized. The legal name of the corporation, however, remains unchanged.

At the triennial election of Directors, June 17, 1909, the stockholders voted to make the newly elected Board of Directors self-perpetuating. This action was taken under a statute enacted by the General Assembly of Indiana in its session of 1909. By the provisions of the same statute the college was enabled to proceed to retire the stock of the corporation on the consent of two-thirds of all outstanding stock. More than two-thirds of the outstanding stock of the institution having subscribed to this agreement, the Directors are now authorized to take this action and are receiving stock assignments for this purpose.

Present Financial Condition. Another forward step has recently been taken by the Board of Directors, who, realizing the increasing needs of the institution, have been able to secure an additional endowment of \$250,000. This was made possible through the generosity of Joseph I. Irwin, a director of the corporation, who

offered \$100,000 provided a total of \$250,000 was secured. Andrew Carnegie offered the last \$25,000 necessary to secure this endowment. Marshall T. Reeves, a director, subscribed \$30,000, and Charles T. Whitsett gave property netting the College \$12,500 toward the fund, which was completed March 25, 1907, by an energetic effort made by the alumni, citizens of Indianapolis, students in attendance and other friends of the institution. The directors propose to use all funds at their command to increase the efficiency of the courses of study offered, and to make such additions thereto as may be possible.

The property of the corporation is therefore in a very satisfactory shape. Its endowment has always been kept well invested, yielding an assured income. The affairs of the corporation are in the hands of a Board of Directors devoted to its interests, wise and conservative in all their views, and thorough and prudent in the administration of the trust committed to them. The demands made upon an institution of learning at the present day are greater than ever before. The College is yet insufficiently endowed to meet these demands, and it is hoped that the generous spirit which created and has hitherto sustained it will prompt further provision for its development.

Memorial Gifts. The Board of Directors would encourage gifts in the form of endowments of various chairs of instruction. The sum of \$30,000 will endow a professorship which will perpetually bear the name of the donor, or of the one in whose memory it is established. In this way the Jeremy Anderson Chair of Greek, the Demia Butler Chair of English Literature, and the Addison F. Armstrong Chair of Germanic Languages have been established and endowed. The English department has been enlarged and strengthened by the establishment of the Catharine Merrill chair. This gift to the College, made by grateful students and friends, is a memorial to the name it bears, and is to be devoted to the teaching of English literature. Mr. Marshall T. Reeves has endowed the Reeves Chair of Biblical Literature as a memorial to his father and mother.

Smaller amounts can be devoted to equally useful purposes. Subscriptions of \$1,000 to \$5,000 can be devoted to the founding of scholarships for the benefit of deserving young people who stand in need of assistance, and of prizes for the reward and encouragement of the ambitious, or to library endowments for particular departments.

Training of Teachers. By action of the State Board of Education, Butler College has been "accredited" under the school laws of 1907 for all classes fixed by the statute, i. e., A, B, C.

Religious Influence. The purpose of the founders, expressed in their act of incorporation, was to establish an institution of learning which would "teach and inculcate the Christian faith and Christian morality as taught in the sacred Scriptures." A course of study in the English Bible is offered to all candidates for a degree. All students are required to attend the regular chapel exercises. The institution has always been religious in spirit; by the terms of its charter it must always be so.

STUDENT ACTIVITIES

Christian Associations. The Young Men's Christian Association and the Young Women's Christian Association are voluntary organizations of students and instructors for the promotion of religious culture and for Christian work in College. Their members are sincere and energetic, and always extend to new students a very cordial welcome. The two associations hold prayer meetings every week, thus greatly assisting in maintaining Christian zeal among the students. A committee from each of these associations is in attendance during the first week of the Fall term for the purpose of assisting those entering college with information in regard to rooms, etc., and in general to afford any assistance in their power, which students who are strangers in Irvington may feel inclined to seek from them. The Y. M. C. A. and the Y. W. C. A. unite in a social given at the beginning of each term, to which all students are invited. This affords opportunity for old students to welcome new, and for all to cultivate more intimate acquaintance. All students who are church members are eligible to active membership in these associations. Students not identified with any church may become associate members.

College Paper. A weekly paper, called "The Butler Collegian," is published in the interest of the students of Butler College, to give the College news and to reflect student opinion. It is edited by representatives of the various College classes. Students and graduates are cordially invited to contribute illustrations, articles, verses, letters and information.

Debates. It is customary for the College to participate in an intercollegiate debate each year. The College desires thus to foster the interests of debating by discussing in public leading questions of the day. In the year 1911-'12 a dual debate was held between Albion College and Butler College.

Oratorical Contests. Seven colleges, of which this institution is one, compose the Indiana State Oratorical Association. The local association is composed of members of the College classes. The object of this association is to advance oratory by encouraging students to write and deliver orations. Preliminary contests are held annually to decide upon a representative for the State contests. Contestants are judged on thought, composition and delivery. The contestant receiving the highest average award by the judges represents the College at the State contest. The successful contestant in the State contest represents the State of Indiana in the Interstate contest, composed of ten Western States.

Literary Society. The Philokurian Literary Society, organized in 1876, holds weekly meetings in its hall at the College. Its membership was originally confined to young men, but later young women have also been admitted. The society is in a prosperous condition.

The Lotus Club. This is an association whose object is the bringing together socially of the young women in College, thus encouraging friendly intercourse among them. The club is governed by an executive board, elected at the end of each year.

The Butler Union. This is an association of the men of the College. The purpose of the organization is to promote acquaintance and friendship among the men and to foster the interests of the College.

The Sandwich Club. The young men of the College interested in religious work are associated in an organization styled as above. Social meetings are held fortnightly, when luncheon is served, business attended to, and a prepared program rendered. Prominent religious leaders are often present at these meetings to address students on the various phases of church work.

Dramatic Club. The Dramatic Club, for men and women, has for its purpose the promotion of college dramatics.

Athletics. Various forms of athletics common in colleges are carried on at Butler College under the supervision of well-trained directors. The purpose is to give proper physical training to as large a proportion as possible of the student body, to enliven the college life with wholesome recreation, and to develop those manly qualities which are brought out in a good game well and fairly played. Baseball, football, basketball and track teams are supported by the Athletic Association. There is a board of control composed of two members of the faculty, one alumni member and two students.

Irwin field, adjoining the campus, affords facilities for all outdoor games.

Regular gymnastic work in the gymnasium is required of all students in the two lower classes, and is directed by a competent instructor. The campus is well equipped with tennis courts, to which students have access.

Intercollegiate Contests. No student is eligible to represent the College in any contest, (a) who is not carrying at least two major courses during the term in which such contest occurs; (b) who has failed to secure credits in at least two major courses during the preceding term (but this is not to exclude new students); (c) who fails to do his work during the current term to the satisfaction of his instructors; (d) who enters College later than the third week of the term; (e) who matriculates as a special student, until he has been a student in Butler College at least one term.

LOCATION AND BUILDINGS

Location. Indianapolis is not only the capital of the State, but its intellectual, literary, commercial and geographical center. Railroads radiating in every direction and the growing system of interurban electric cars make it the most easily accessible point in Indiana or any of the adjoining States. Indianapolis affords unique advantages as to location for a college. The best musical entertainments and the most noted lecturers are here brought within reach of the students. The College is located at Irvington, a pleasant and healthful residence suburb, reached by the East Washington street electric cars. Irvington is within the city limits of Indianapolis and is regarded as a most attractive place for suburban residence. Its population consists largely of those who have been drawn thither by educational inducements. This gives it a special character of cultivation and good order, while as a home for students it is singularly free from the temptations and dangers often surrounding college life. There are no drinking saloons in the vicinity.

Main College Building. The main college building is of brick, trimmed with stone, having a frontage of 135 feet and a depth of 75 feet, containing eighteen recitation rooms, besides the administrative offices, the College chapel, literary society and Y. M. C. A. halls, cloak and retiring rooms. It is heated throughout by steam, lighted by electricity, and in its internal finish and arrangements is well suited to the purposes for which it was designed.

Science Hall. The Science hall is three stories high, constructed of brick and trimmed with stone. It has a frontage of 100 feet and a depth of 75 feet. It contains recitation rooms, the museum hall, and the chemical, physical and biological laboratories.

The museum contains abundant material for illustrating the sciences of Zoology, Mineralogy and Geology. Some of the mater-

ials have been obtained by purchase, some have been contributed by friends of the institution and some by the National Museum, while a considerable portion has been collected by the professors who have occupied the chairs in this department. The museum contains the following collections:

1. A series of fossils and rocks illustrating the geology of the Mississippi Valley, especially that of Indiana and Ohio.

2. A collection of fresh water fishes of the United States, made principally by Drs. David Starr Jordan and O. P. Hay, when they were professors of Biology in Butler College.

3. A series of marine fishes from the United States National Museum.

4. Reptiles and amphibians of Indiana, collected by Dr. Hay and others.

5. A large collection of representative minerals.

6. Land, fresh water and marine shells, including about four thousand specimens.

7. A considerable number of aboriginal stone implements from the United States.

8. A collection of marine invertebrates, mainly from the New England coast, deposited by Professor Bruner.

9. Marine invertebrates from the Atlantic, Gulf and Pacific coasts, presented by the National Museum and the Fish Commission.

The biological laboratory is well equipped and has its own working library. Additions are being constantly made to the apparatus and equipment of these laboratories.

The chemical and physical laboratories are conveniently arranged and well equipped with ample apparatus.

Bona Thompson Memorial Library. The library building was erected during the year 1903, by the liberality of the late Mr. and Mrs. E. C. Thompson, in memory of their daughter, Bona Thompson, who was a graduate of Butler in the class of 1897. The building is constructed of Bedford limestone and gray brick, and is of fireproof construction. The bookstack room, filled with steel

stacks, has a capacity of 60,000 volumes. The College library at present contains about 16,000 volumes, chosen with special reference to the needs of students, in addition to extensive files of valuable government reports and documents. Every year there are added by purchase the latest and best works in the several departments. The encyclopedias, lexicons and other works of reference are numerous, and represent the best and most modern scholarship.

By a special arrangement with the Indianapolis City Library Board, a free daily delivery of books from the city library to the College library has been established, so that students now have free and convenient access to libraries aggregating not less than 175,000 volumes. In addition to this the State Library, containing 60,000 volumes and located in the State House, is open to students, who will find it valuable for special research.

The reading room receives regularly the best publications, weeklies, monthlies and quarterlies of this country and Europe. The advantages of the library and reading room are open alike to all classes of students in the College.

Astronomical Observatory. The astronomical observatory, located in the northeast corner of the campus, embodies in its construction the conveniences necessary for the efficient use of the equatorial telescope which it contains. The building has a revolving dome, with sliding panel giving unobstructed sky-view from horizon to zenith. The telescope is equatorially mounted, by Fauth & Co., of Washington, with the usual adjuncts of declination and hour circles, and clock-work for diurnal rotation. The object glass of six inches diameter was made by the firm of Alvin Clark & Sons, of Boston. The focal distance of the object glass is eight feet, and the magnifying power of the instrument ranges from seventy to five hundred diameters.

College Residence. This attractive and comfortable home for young women students is a substantially constructed brick building, located on the campus in close proximity to the lecture halls and laboratories. It is heated by steam and lighted by

electricity, and is equipped with modern conveniences. The rooms contain all necessary furniture, but students provide their own bed linen, towels and toilet articles, and any decorations desired. The rooms are entirely cared for by competent maids. The dining-room service is directly under the control of the College, and all possible pains are taken to make the meals wholesome and attractive. The Head of the Residence has general oversight of the young women living there. The advantages of this home are offered to young women at lower rates than those at which approximately equal advantages may be obtained in private residences. The Residence is maintained solely for the accommodation of young women who, coming from a distance to attend the College, must find boarding places in Irvington; and all such are required to make their home there unless for some reason special permission to do otherwise is granted by the President; in all cases of assignment of young ladies to other homes than the Residence, the consent of the President must first be obtained. This rule admits of no exceptions.

For special circular showing plan of building and giving detailed information about rooms, address the Head of the Residence.

Gymnasium. The gymnasium building, built of red brick and limestone, contains a main exercising hall thirty-five by fifty-eight feet, well ventilated and lighted, with double oak floor and high ceiling. There are a bathroom, with hot and cold water, steel lockers, and necessary accommodations for the students who use the gymnasium, and also for the athletic teams. Certain hours are set apart for the use of the gymnasium by the young women.

The power house, containing the electric lighting plant and the furnaces and boilers by which all the College buildings are heated, is a part of the gymnasium building.

EXPENSES AND SELF-SUPPORT

The College year consists of three terms of twelve weeks each. The fees payable to the College on account of instruction, library and incidentals, exclusive of laboratory fees, amount to \$25.00 per term for three or for two subjects. For a single subject \$13.00 will be charged. Students undertaking a fourth subject of study will pay \$8.00, in addition to the regular fee, for a major course, or \$4.00 for a minor. In addition the following extra charges are made: Special student, \$3.00 (except as provided on page 34). In the departments of Biology, Chemistry and Physics, laboratory fees, ranging from \$1.50 to \$4.00, to cover cost of materials used and ordinary wear on apparatus. Students are required to pay for apparatus broken or injured. For a special examination a fee of \$2.00 is charged. For each day's delay in registering after the date appointed (see College Calendar, page 3), a fee of \$1.00 is charged; the total, however, is not to exceed \$3.00. For a change of registration, after a registration card has once been issued, a fee of \$1.00 is charged. For the Bachelor of Arts' diploma a fee of \$5.00 is charged; for the Master of Arts' diploma, \$10.00. Graduating fees must be paid before the conferral of degrees.

Term bills must be paid at the beginning of each term.

In case of the absence of a student for half or more than half of the term, one-half of the fee paid by him for that term may be credited on a future term.

Expenses of Residence. Following are estimates of yearly expenses for the session of thirty-six weeks:

	Lowest	Average	Liberal
Fees	\$ 75.00	\$ 75.00 (with Lab.)	\$ 84.00
Room	27.00	36.00	54.00
Board	72.00	126.00	126.00
Books	10.00	15.00	20.00
	<u>\$184.00</u>	<u>\$252.00</u>	<u>\$284.00</u>

The above "average" and "liberal" estimates for board and room are based on the rates charged at the College Residence, where rooms may be obtained by young ladies at prices ranging from \$9 to \$18 per term of twelve weeks, and table board is furnished at \$42 per term. Room rent at the Residence is payable in advance at the beginning of the term, and no rebate is allowed if the room is vacated before the end of the term. Board bills for the term are payable in three equal installments. No reduction is made for occasional absences.

Board and rooms may be obtained in private families at somewhat higher rates. Students who feel it necessary to curtail expenses as much as possible will find rooms to let at lower rates, with facilities for independent housekeeping, or opportunity for the formation of clubs.

Aid and Self-Support. While the College can not guarantee employment to students desiring to earn their way, its officers will gladly do all within their power to assist students in securing profitable employment. In a city of the size of Indianapolis there is always work to be done, and a student who is energetic, determined and self-reliant need have no fear about being able to earn enough to meet either part or all of his expenses.

Ministerial students will find here exceptional facilities for self-support, owing to the location of the College at the center from which railways and interurban electric lines radiate to all parts of the State, and the large number of churches within a convenient distance which depend upon student preaching. The College always has more calls for preachers than it can supply.

REGISTRATION AND ENTRANCE

Butler College offers its advantages to the following classes of students:

Regular College Students. (For requirements for admission and graduation, see pages 28-40.)

Special Students, not candidates for a degree. (See page 34.)

Ministerial Students, who may be either graduates or special students.

Graduate Students, who must have the baccalaureate degree from Butler College, or some institution of similar rank, and who may become candidates for the degree of Master of Arts or Master of Science. (See page 37.)

Art Students, who may or may not be doing academic work also. (See page 81.)

Students in the Extension Courses, who attend weekly classes held in a central location in Indianapolis, and who may or may not be candidates for a degree. (See page 90.)

Normal Students, who are qualifying for the teaching profession under the State law.

Classification. Students are not classified on the records of the College except as above indicated. Their names are printed in the catalog in alphabetical order, excepting art students and students in the extension courses.

Registration. The office hours of members of the faculty on days appointed for registration (see College Calendar), are 9 to 12 a. m. and 2 to 4 p. m. Applicants in order to secure prompt attention should present themselves on the days and at the hours designated.

New students should send their credentials to the examiner at least three weeks before the opening of the term. They will then receive, on the day of registration, statements of the credits

granted. On presentation of these to the adviser, they will be assigned to their classes. Old students will go at once to the adviser for assignment to classes.

The penalty for late registration is \$1.00 for each day's delay until the total shall amount to \$3.00. Each change of registration, unless necessitated by action of the faculty, is subject to a penalty of \$1.00.

REQUIREMENTS FOR ADMISSION

Preparation for admission to the Freshman class is expected to cover a period of four years in a good high school or academy. Admission credits are reckoned in units. A *unit* is the equivalent of a course of study extending through one full year of not less than thirty-two weeks, and occupying five periods of recitation per week. Two hours of laboratory work are regarded as equivalent to one hour of prepared work. No fractional units are credited except as here indicated. Fifteen units are required for entrance to Freshman class. Of this number $5\frac{1}{2}$ are definitely prescribed, 5 are to be chosen from certain specified groups, and $4\frac{1}{2}$ are elective.

Graduates of commissioned high schools in Indiana and of high schools of similar grade in other States are admitted to the Freshman class without examination, but such admission does not excuse them from making good any of the entrance requirements which are not covered by the high school credits. These high school credits are accepted only in the subjects and to the amounts named in Groups I-IV below. No high school graduate will be admitted who presents less than eleven units in the subjects named in these groups.

All other candidates for admission will receive from the examiner statements showing the maximum credits which may be granted. If these are sufficient to permit the student to enter, he may do so provisionally, receiving entrance credit for those subjects after the completion of seven college majors in a manner to satisfy the faculty that he is entitled to such entrance credit. The faculty, in the mean time, reserves the right to modify the first estimate of the amount of possible entrance credit.

Students who expect to enter without examination should present specific statements of the work that has been done—not simply diplomas from high schools or academies. *When preparatory work has been done in more than one school, separate certificates must be presented from each school, not simply from the last one*

attended. Blanks prepared for this purpose will be furnished on application. Certificates upon which entrance credits are to be granted, must be signed by the principal of the school in which the work was done. They should contain detailed statements not only of the time spent in each subject—but also of the amount of work covered (*e. g.*, four books of Cæsar), including the time spent in laboratory work in science in addition to classroom work.

Required:

English	3	units
Mathematics	2½	units
Foreign Language (from Group I).....	3	units
History (from Group II).....	1	unit
Science (from Group III).....	1	unit

Elective:

From Groups I-IV.....	4½	units
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Total	15	units
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The required work in English (3 units) is equivalent to the usual three years of English, including composition, rhetoric, and literature, as taught in good high schools. Candidates who present a fourth year of English may receive credit for it as an elective. (See Group IV below.)

The required work in Mathematics (2½ units, as above) includes algebra to quadratic equations (1 unit), quadratic equations (½ unit) and plane geometry (1 unit). Candidates who offer more than the minimum requirement in Mathematics may receive credit for it as an elective. (See Group IV.)

The groups from which the required work in foreign language, history and science must be chosen are as follow:

GROUP I.

Foreign Language.

Latin 1. Beginning course	1	unit
Latin 2. Cæsar, 4 books	1	unit

BUTLER COLLEGE

Latin 3.	Cicero, 6 orations, or Cicero, 4 orations and Vergil, 2 books	1 unit
Latin 4.	Vergil, 5 books.....	1 unit
Latin 5.	Tacitus	$\frac{1}{2}$ unit
Latin 6.	Livy	$\frac{1}{2}$ unit
Greek 1.	Beginning course and Anabasis, Book I.....	1 unit
Greek 2.	Anabasis II—IV, with prose composition, and Homer's Iliad, Books I—II	1 unit
Greek 3.	Plato, Herodotus, or equivalent authors	1 unit
German 1.	Beginning course	1 unit
German 2.	Second year.....	1 unit
German 3.	Third year	1 unit
French 1.	Beginning course.....	1 unit
French 2.	Second year.....	1 unit
French 3.	Third year	1 unit
Spanish 1.	Beginning course	1 unit

NOTE.—At least three units must be offered from this group, and at least two of these must be in one language. After one unit has been offered, half-units may be accepted.

For every unit of language work accepted for entrance in excess of the minimum requirement of three units, the candidate will be excused from one year of the required language work in College.

GROUP II.

History and Civics.

General History.....	1 unit
Ancient History	$\frac{1}{2}$ or 1 unit
Medieval History	$\frac{1}{2}$ or 1 unit
Modern History	$\frac{1}{2}$ or 1 unit
English History.....	$\frac{1}{2}$ unit
United States History	$\frac{1}{2}$ or 1 unit
Civics	$\frac{1}{2}$ unit
Economics	$\frac{1}{2}$ unit

NOTE.—Credit will not be given for both General History and Ancient History. Credit will not be given for both Civics and Economics unless one unit of History is also offered. Not more than 3 units in all will be accepted from this group.

GROUP III.

Natural Science.

Physics	1 unit
Chemistry	1 unit
Botany	$\frac{1}{2}$ or 1 unit
Zoology	$\frac{1}{2}$ or 1 unit
General Biology.....	1 unit
Physiology	$\frac{1}{2}$ unit
Physiography	$\frac{1}{2}$ unit
Geology	$\frac{1}{2}$ unit
Astronomy	$\frac{1}{2}$ unit

NOTE.—Not more than 4 units in all will be accepted from this group.

GROUP IV.

Unclassified.

English 4. (First half of fourth year High School English)	$\frac{1}{2}$ unit
English 5. (Second half of fourth year High School English)	$\frac{1}{2}$ unit
Mathematics 4. Solid Geometry.....	$\frac{1}{2}$ unit
Mathematics 5. Trigonometry	$\frac{1}{2}$ unit
Mathematics 6. College Algebra.....	$\frac{1}{2}$ unit
Commercial Geography.....	$\frac{1}{2}$ unit
Mechanical Drawing.....	$\frac{1}{2}$ or 1 unit
Free-hand Drawing.....	$\frac{1}{2}$ or 1 unit

Not more than one unit of Drawing will be accepted.

NOTE.—None of the courses in this group is required for entrance, but they may be offered among the $4\frac{1}{2}$ units of electives which must be presented.

Conditioned Students. If a student is conditioned in any admission subjects, he must begin at once to make up his deficiencies, those in *required* subjects being taken first, and precedence being given at all times to those courses which may be offered in lieu of the deficiencies.

If the conditioned student is deficient in subjects in which instruction is offered by the College, he must elect from the courses offered by the College a sufficient number of courses which may be offered for entrance, to make good the deficiency. In this case, 2 majors of college work will be accepted as equivalent to 1 unit of preparatory work. But Greek 1, 2, 3; German 1, 2, 3; French 1, 2, 3; and three majors of natural science, unless a unit of natural science shall have been offered on admission, will be accepted only on the basis of 3 majors for 1 unit of entrance work. If the conditioned student is deficient in subjects in which the College offers no instruction, such deficiencies may be made up under approved tutors or in a high school of Indianapolis. They must be made up within one year after matriculation in Butler.

Special Announcement. On account of the development of good high schools almost everywhere, the College has discontinued its preparatory department.

Advanced Standing. Students coming from *high schools* or other secondary schools, and presenting credits in excess of those required to fulfill the entrance requirements, may, in certain departments, secure college credit for the work by passing an examination on it within one year from the date of entrance to college. The following limitations will, however, be observed:

1. In no case will a preparatory unit be accepted for more than two college majors. (A major is a five-hour course for twelve weeks.)

2. Where three units from Group II (History) have been presented for entrance, no college credit will be granted for additional work in that group.

3. Where four units from Group III (Science) have been pre-

sented for entrance, no college credit will be granted for additional work in that group.

4. No more than a total of six college majors will in any case be credited on the basis of work in a high school or other secondary school.

5. Only in the following subjects may college credit be obtained, and to the maximum amount indicated in each case:

English.....	1 major	Mathematics	1 major
Latin.....	4 majors	Physics	2 majors
Greek.....	4 majors	Chemistry	2 majors
German.....	4 majors	Botany	2 majors
French	4 majors	History	2 majors
Spanish.....	2 majors		

Students coming from other colleges or universities may receive advanced standing upon presentation of officially signed statements of the work which they have done. These statements *must* include: (a) A statement of the work which was done in satisfaction of entrance requirements. This statement must come directly from the school where the preparatory work was done. (b) A statement certifying to the college credits that have been earned. Such statements should indicate the subjects studied, ground covered, number of weeks and number of hours of recitation per week. In the case of students coming from colleges whose entrance requirements are less than those of Butler College, a sufficient number of college credits will be applied to make good the deficiency in preparatory credits.

To receive credit toward advanced standing, application must be made to the examiner at the time of matriculation, or earlier. It is desirable that candidates for advanced standing should forward their statements of work before presenting themselves for entrance. No student from another college will be admitted except upon presentation of a certificate of honorable dismissal.

**Special
Students.**

A person, not a candidate for a degree, may be admitted as a special student and allowed to pursue a special course of study under the following conditions:

1. He must be twenty-one years of age and must have received the permission of the professors whose courses he proposes to take and of the committee on special studies. A certificate of age must accompany the application for admission as a special student.

2. Only persons having a definite end in view will be accepted as special students, and no applicant for a special course will be admitted unless urgent need of such course shall appear.

3. No regular student who fails in his work will be allowed to become a special student until he has made good his failures.

4. Special students are subject to the same regulations as regular students with regard to the amount and quality of work performed, and attendance at recitations and examinations. The faculty may at any time deprive any special student of his privileges if it appears that he is abusing or neglecting them.

REQUIREMENTS FOR GRADUATION

The plan of study offered to the student in the requirements for graduation is an attempt to combine the essentials of general culture, which is the prime object of the undergraduate college course, with an opportunity for development along the lines of the student's natural interest, and preparation for university and professional study.

The normal length of time required for the college course is four years, but students who have the necessary ability and industry can complete it within three calendar years.

In addition to the entrance units (see pages 28 *sq.*), there are required for graduation thirty-six majors of class instruction and two majors of physical culture.

A *major* is the equivalent of five hours' classroom work each week for a term of twelve weeks. Where laboratory work is carried on, two to three hours in the laboratory are equivalent to one hour in the classroom. In some of the more advanced courses, where much private work may profitably be laid out for the student, the number of hours each week which shall be equivalent to a major, may be determined by the instructor. A *minor* is a course of two or three hours a week for twelve weeks.

Students, as a rule, will assume work to the total value of three majors each term. No student may take fewer than three major courses without the special consent of the committee on special studies given on recommendation of the adviser. If a student's average grade for the term next preceding shall have been as high as 80, he may take work to the aggregate value of four majors. But in no case may he take more than this amount during any one term. A fee of \$8.00 will be charged for an additional major course, or of \$4.00 for each additional minor course in excess of three majors. These restrictions do not apply to courses in physical training. In any case, the courses chosen

must not conflict in times of recitation, and all work, to receive credit, must be done in class.

The college confers two baccalaureate degrees, that of Bachelor of Arts and that of Bachelor of Science.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS.

1. REQUIRED SUBJECTS.—(a) Students offering the minimum (three entrance units) of language work (Group I) for entrance, must elect nine majors of foreign language in college. For every additional language unit offered for entrance, three majors may be deducted from the nine required in college. Thus a student who presents four units of language for entrance will take six majors in college. One who presents five units will take three majors. One who presents six units is entirely relieved from the college language requirement. In any case, however, the total required work in foreign language for entrance and in college (six years' work in all) must not be divided between less than two or more than three languages, and must include at least three years' work in some one language.

(b) Students who present less than two units of physical science (Group III) for entrance, must elect three majors in a laboratory science not offered for admission.

At least six majors in the subjects thus required must be taken during the first year of residence, and the remainder during the second year. Students entering with advanced standing must begin at once to meet these requirements.

2. At least nine major courses must be taken in one department, or twelve in closely related departments. In the latter case, six majors must be taken in one department and the remainder in subjects approved by that department.

3. Not more than twelve majors may be taken in any one department. During the first two years, not more than one major course each term may be taken in one department.

4. The following courses (unless taken to meet entrance requirements) will have the value of one minor each to students who are credited with 26 majors: Latin 1, 2, 3; Greek 1, 2, 3;

German 1, 2, 3; French 1, 2, 3; English 1, 2, 3; Mathematics 1, 2, 3.

In making his choice the student must observe any restrictions and prerequisites that may be attached to the particular courses he wishes to select. All courses must be selected in consultation with the adviser.

Any student coming from another institution is required to take at least the last nine major courses in residence at this College before receiving the degree.

Upon the satisfactory completion of the aggregate requirements as here given, and the payment of the graduation fee (see page 24), the student is entitled to receive the degree of Bachelor of Arts.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE.

For the degree of Bachelor of Science, eighteen majors must be offered in the natural sciences, mathematics being counted as a natural science. The student's major subject must be either a natural science or mathematics.

A minimum of six years of foreign language must be taken in the preparatory and college courses, of which at least two years must be in German and two in French. Candidates for this degree who offer three foreign languages will be required to offer only two years in each language.

In all other respects the candidate for the degree of Bachelor of Science must conform to the requirements for the degree of Bachelor of Arts.

Graduate Students. The College confers the degrees of Master of Arts and Master of Science on applicants holding the corresponding baccalaureate degrees. In case the applicant's undergraduate work has been done at another college, he is required to show that such work is fully equivalent to that required for the baccalaureate degree at this College. Applicants who have not completed the necessary amount of work must make up their deficiencies by taking the required courses for which they do not present equivalents, and elective courses sufficient to complete

thirty-six credits, before they will be admitted to candidacy for the second degree.

The degree of Master of Arts is intended to represent at least one year of scholarly study in liberal and non-professional subjects in which a physical science has not been a major subject of study. This year must be passed in resident work, done under the direction of the College, but the candidate must satisfy the faculty of his proficiency in his chosen subject of study, by class work, thesis and examination, and the degree is not assured at the end of any fixed period of work.

The specific requirements which must be satisfied in order that the degree of Master of Arts may be conferred are as follow :

1. The applicant must submit his request to be admitted to candidacy for the degree, together with credentials of the work done for his baccalaureate degree, to the Committee on Graduate Studies, at the beginning of the academic year ; and before October 15 he must have selected a major subject of study, and a course of study for the year, approved by his major professor and by the committee.

2. An applicant must be able to read two foreign languages, such as may be specified by the professor under whom he is pursuing his major studies ; and his ability to do so shall be tested by examination before he is admitted as a candidate for the degree.

3. Candidates must complete nine major courses, at least three of which shall be advanced courses in his major subject of study, taken consecutively. The term examinations in these subjects must be passed with a minimum grade of seventy. This work may consist (1) of subjects assigned to the individual candidates, and (2) of lines of study selected from advanced undergraduate work. It shall not include any of the following : (a) Required undergraduate work ; (b) courses which have the value of only one minor to undergraduates who are credited with twenty-six majors ; (c) courses of a professional character in the School of Ministerial Education or elsewhere.

4. A thesis, which shows some power of scholarly investigation,

and of stating the results of such investigation, must be written on a subject chosen from the field of the major study. The subject of this thesis must be submitted to the Committee on Graduate Studies, and approved by them, as early as December 1 of the academic year in which the degree is expected to be conferred. The thesis must be finished and submitted in its completed form by May 1. If accepted, a typewritten copy, upon the regulation paper, properly bound, must be deposited in the College Library by June 1.

5. The candidate must present himself during the last two weeks of the Spring term, at a date and hour publicly announced, for oral examination on the work done during the year, including his thesis. This examination shall be conducted by a committee consisting of the professor in charge of his major subject and at least two other professors.

A candidate for the degree of Master of Science must complete nine majors of graduate work in science or mathematics. These nine majors must be taken in not more than two departments, at least six majors in one and three in the other department. A student holding the degree of Bachelor of Arts must fulfill all the requirements for the degree of Bachelor of Science in this institution, in order to become a candidate for the degree of Master of Science. Any one holding the degree of Bachelor of Science from another college of similar rank to this, may become a candidate for the degree of Master of Science by fulfilling the requirements for that degree. In all other respects the requirements for the degree of Master of Science are the same as those for the degree of Master of Arts.

No work done by a student while yet an undergraduate shall be allowed to count toward fulfilling the requirements of a graduate course; but students who finish their undergraduate work before the close of the college year may begin their graduate work at once without waiting for the conferring of the Bachelor's degree. Graduate students are subject to the same regulations regarding number of subjects to be taken as undergraduate students. In all cases the work of candidates for the degree of

Master of Arts or Master of Science is subject to the approval of the faculty committee on graduate work, and to this committee all proposed graduate work must first be submitted.

For the special requirements for the degree of Bachelor of Divinity see page 73.

Examinations. Examinations in all courses of study are held at the close of each quarter in the same order as the regular recitations. Students are graded in each study pursued during the quarter. A student failing in any subject must make such failure good within a period of one year, in order to receive credit for the course. Absence from examinations counts as failure. A student taking an examination at a time other than that appointed for his class must first pay to the treasurer, for the benefit of the library fund, the sum of \$2.00.

Quarterly Reports. As soon as possible after the quarterly examinations, a report of the attendance and proficiency of each student is prepared and sent to his parent or guardian, who is earnestly requested to give such report careful attention, or to notify the secretary of any failure to receive it. These reports should be preserved.

Students are graded on a scale of 100 as follows: 60 is passing grade; and 80 indicates a good degree of excellence.

The term report made at the close of the Spring term will indicate, also, the student's arrears (if any) in entrance requirements and prescribed work, and will give the number of credits toward graduation due him, thus showing his classification for the beginning of the following year.

COURSES OF INSTRUCTION

When an announced course has not been applied for by at least five students, candidates for a degree, the instructor shall be at liberty to withdraw the course.

Class exercises are daily, from Tuesday to Saturday inclusive, unless otherwise indicated in statement of courses.

The week-holiday is Monday.

All courses are majors unless otherwise indicated.

Bracketed courses will not be offered in 1912-'13.

LATIN.

PROFESSOR GELSTON.

General Statement. In the Latin work of the first college year (courses 1, 2, 3) the especial aim is to develop the student's grasp of the language. To that end there is much insistence on vocabulary practice and oral reading, as well as upon accurate and finished translation. The advanced courses, which are either continuous or supplementary to one another, seek primarily to foster real appreciation of Roman literature for its own sake.

Courses.

1. **LIVY:** Book I and selections from II-X. Sight translation. Prose composition. *Fall, 11:30.*
2. **TACITUS:** Agricola and Germania. These works are read with detailed reference to their historical and literary value. *Winter, 11:30.*
3. **HORACE:** Odes and Epodes. Intensive study of specimen odes. Rapid translation of other poems. Analysis of the versification. Oral reading. Literary criticism. *Spring, 11:30.*

4. HORACE: Satires and Epistles. Designed to complete the study of Horace begun in course 3. Study of Roman private life. *Fall, 10:30.*
- 5a. CATULLUS, TIBULLUS AND PROPERTIUS: Selections from other poets. *Tues., Thurs., Sat., Winter, 10:30.*
- b. HISTORY OF ROMAN LITERATURE. *Wed., Fri., Winter, 10:30.* Students taking 5a must also take 5b, counting both (a and b) as one major. Students having no knowledge of Latin may elect 5b as a minor.
6. PLAUTUS: Captivi and Trinummus. Sight translation from other plays. Oral reading. *Spring, 10:30.*
- [7. LUCRETIVS: De Rerum Natura. Reading and translation of selected passages. Collateral study of Epicureanism and related philosophical systems among the Romans.]
- [8. CICERO: De Natura Deorum. Designed to continue the study of Roman philosophical writing begun in course 7.]
- [9. TEACHERS' COURSE. Vergil's complete works.]
(Courses 7, 8, 9 to be given in 1913-'14.)
10. PLINY: Selected letters. *Fall, 9:00.*
11. JUVENAL: Selected satires. In courses 10 and 11 emphasis will be placed upon the study of the condition of society in Rome at the time. *Winter, 9:00.*
12. TEACHERS' COURSE: Cæsar's Gallic and Civil wars will be read entire with reference to teaching. Topics assigned for special investigation. Prose composition once a week. *Spring, 9:00.*

GREEK.

ACTING PROFESSOR GELSTON (in charge).

MISS WEAVER.

General Statement. In this department students are encouraged to work toward appreciation of Greek for its own sake and toward facility in the use of Greek texts as original sources. In the elementary course the instructor gives particular attention to the needs of beginners, assisting them to cover rapidly as college students the work commonly done through a more extended period in preparatory schools. The advanced courses are designed, as far as possible, to continue or supplement one another.

Courses 1, 2, 3 are continuous and all must be taken if credit in any one of them is desired.

For students credited with 26 majors or more, courses 1, 2, 3 have the value of one minor each.

Courses.

- 1, 2, 3. **ELEMENTARY GREEK.** Special effort is made with mature students to prepare them in one year for subsequent courses in classical Greek. White's First Greek Book. Xenophon's Anabasis. *Fall, Winter, Spring, 10:30.*
4. **HERODOTUS:** Selections. Sight reading in Xenophon. Greek syntax and prose composition. *Fall, 9:00.*
5. **PLATO:** Apology of Socrates and Crito. Selections from other dialogues. Sight reading. *Winter, 9:00.*
6. **LUCIAN:** The Dream, Charon, Sale of Lives, and other selections. Sight reading. *Spring, 9:00.*
- [7. **HOMER:** Selected books of the Iliad. Mycenæan Archæology and the Homeric question.]
8. **XENOPHON:** Hellenica. Selections from the Attic orators. Sight reading. *Fall, provisional, hours to be arranged.*

9. **INTRODUCTORY STUDY OF THE GREEK DRAMA:** The *Antigone* of Sophocles and *Iphigenia* among the Taurians of Euripides. Collateral study of the Greek theater and presentation of the drama. *Winter.*
10. **AESCHYLUS:** The *Agamemnon* and other dramas. *Spring.*
- [11. **MODERN GREEK:** Grammar, short stories and poetry.]
12. **GREEK LITERATURE IN ENGLISH:** A general survey of Greek literature. Homer and the dramatists are read in translation. Lectures by the instructor. Reports by members of the class. *Spring, provisional.*

GERMAN.

PROFESSOR DANTON.

MISS WEAVER.

General

Statement.

The College Library has a small but well-chosen collection of German books, including a complete set of Kürschner's *Deutsche National-Literatur*. These books, supplemented by the excellent collection of the Indianapolis City Library, which has a uniformly generous policy toward the buying of German works, make possible a very satisfactory study of German literature.

Courses 1, 2, 3 are continuous and all must be taken in order to receive credit.

To students credited with 26 majors or more, courses 1, 2, 3 have the value of one minor each.

Courses.

1, 2, 3 form a continuous course in beginning German for college students. The formal study of grammar is subordinated to a more direct method of acquiring a command of the spoken and written idiom. As far as possible, German is the language of the class from the beginning. A number of easy texts are read.

Fall, Winter, Spring, 8:00.

- 4, 5, 6. The work of the second year is also a unit, but the courses may be taken individually for credit. Grammatical review. Easy texts are read as the basis of conversation and free composition. The student is urged not to translate but to understand German without the interpolation of the English medium. Teachers in secondary schools who are preparing students to take this course should train them in taking down simple dictation and in building up a systematic vocabulary of important root words, as well as to understand simple spoken German. *Fall, Winter, Spring, 9:00.*
7. MODERN PROSE: Reading of modern texts; composition, review of grammar. In 1912-'13, the texts will be chosen from the historical novel. Open to students in the first year only by special permission. *Fall, 11:30.*
8. INTRODUCTION TO THE STUDY OF THE GERMAN CLASSICS: Reading of selected works of Lessing and of Goethe (to 1786). Lectures, outside reading; a term essay. *Winter, 11:30.*
9. GOETHE CONTINUED, SCHILLER: Courses 8 and 9 form a continuous treatment of Lessing, Goethe and Schiller. They may, however, be taken separately. Eight weeks are devoted to each of the three authors. The aim of the work is to break up the term "German classic" into its components and to inculcate a love for German literature. *Spring, 11:30.*

The courses numbered above 9 are given in a cycle and aim to cover all the important periods and phases of German literature as far as these are of value to College students. They are not open to students in the first year of college work. In 1912-'13, the following will be given:

18. GREAT MASTERPIECES OF GERMAN LITERATURE: The students will read in modern German renditions some of the great epics of the early period and will continue their reading to accompany a set of informal lectures on German literature down to the Reformation. Some attention will be given to the history of German culture. *Fall, 10:30.*

19. A study of the literary aspects of the Reformation and Renaissance in Germany, followed by a series of readings to show the rise of a national German literature. The aim in these two courses is not primarily historical. *Winter*, 10:30.
15. HEBBEL: A study of the works of Hebbel with some discussion of Grabbe and Ludwig. *Spring*, 10:30.

In 1911-'12 the following were given:

- [10. GERMAN NOVELS. *Fall.*]
- [11. GERMAN DRAMA OF THE NINETEENTH CENTURY. *Winter.*]
- [12. INTRODUCTION TO GERMAN LYRIC POETRY. *Spring.*]

ROMANCE LANGUAGES.

ASSISTANT PROFESSOR GREENE.

General Statement. A course in French extending over three years is offered. For the third year, different courses are offered in alternate years, so that a student may obtain credit for four years' work.

The College Library, aided through special arrangement by the Indianapolis City Library, places at the disposal of the students of the department a large and well chosen collection of French texts and criticism, as well as of works on France and the French.

Courses 1, 2, 3 are continuous. All must be taken to receive credit.

To students credited with 26 or more majors, courses 1, 2, 3 will have the value of only one minor each.

Courses in French.

- 1, 2, 3. ELEMENTARY COURSE (continuous): This course consists of the study of grammar, composition and the reading of modern French, including at least one play and extracts from French historians. There is constant practice through-

out the year in pronunciation and in writing from dictation with a view to training the ear to spoken French. The commoner idioms are learned through daily drill in conversation.

Fall, Winter, Spring, 9:00.

4a, 5a, 6a. The course aims at giving the student ability to read modern French prose and poetry with ease and appreciation, and at giving some practice in advanced composition. The best poetry, plays and novels of the more recent French masters will be read, in or out of class, and discussed—Chateaubriand, de Vigny, Hugo, Dumas (pere and fils) Gautier, Balzac, Sand, A. Daudet, Augier, Coppee, Maupassant and Loti. The course emphasizes the development in the student, through analysis of French style, treatment and character, of a sound literary appreciation. The history of French literature will be given in outline. The use of spoken French in the classroom is increased. *Major. Three hours weekly. Tues., Thurs., Sat., Fall, Winter, Spring, 8:00.*

4b, 5b, 6b. This is a course in prose composition and oral expression and should be taken with 4a, but may be taken alone. It is intended to meet the needs of business or of foreign travel. The students of the class will correspond with students in France who are studying English. Two hours weekly. *Minor. Wed., Fri., Fall, Winter, Spring, 8:00.*

[7, 8, 9. **THE NOVEL:** In this course the relation of the novel to the old French epic is first considered. The class reads, in part, the translation into modern French of the *Chanson de Roland*. The plots of several of the other old epics and allegories are discussed, and of the *Fabliaux*, *Roman de Renard*, *Heptameron*, *Gargantua and Pantagruel*. The significance of d'Urfé's "*L'Astree*" is shown. In or out of the classroom the class reads *La Princesse de Cleves*, *Telemaque*, novels by LeSage, Marivaux and Prevost, *La Nouvelle Heloise*, *Paul et Virginie*, and the novels of the nineteenth century. Reports on collateral reading treating of the life

and times of the authors are required. The text book of this course is Morrillot's "Le Roman en France depuis 1610." The course alternates with course 10, 11, 12. Three hours weekly.]

- [10, 11, 12. **THE DRAMA:** Twelve representative French dramas are read, as follows: *Le Cid*, *Les Femmes Savantes*, *Le Tartuffe*, *Athalie*, *Zaire*, *Le Barbier de Seville*, *Hernani* or *Ruy Blas*, *Le Fils de Giboyer*, *La Question d'Argent*, *La Bataille de Dames*, *Le Monde ou l'on s'ennuie*, *l'Aiglon*. Others are read outside the classroom upon which written reports are required, some in French. The class does considerable collateral reading which treats of the authors and their times. There are lectures (in French) which trace from its beginnings the development of the French drama.]
- [13, 14, 15. This is a general survey of the history of French literature. Prerequisite, courses 7, 8, 9 or 10, 11, 12.]
- 16, 17. **COMEDY—MOLIERE, LESAGE, MARIVAUX, BEAUMARCHAIS:** The emphasis is on Moliere and the theater of his time, with some consideration of his influence on later French comedy. Representative plays are read and studied in class. Lectures and assigned readings. Written reports of work, some of them in French, are required of the class. *Major*.
Tues., Thurs., Sat., Fall, Winter, 10:30.
18. **CONTEMPORARY FRENCH LITERATURE:** Reading and study of some of the more recent French plays, novels and short stories. *Major*.
Tues., Thurs., Sat., Spring, 10:30.

Course in Spanish.

1. The aim of this course is to give a good reading knowledge of Spanish, both for literary and commercial purposes. The student is well drilled in the main principles of grammar, and is given considerable practice in writing Spanish. Only standard works will be read. Five hours weekly. (Provisional.)

ENGLISH.

PROFESSOR KENYON.

MISS GRAYDON.

MRS. ALLEN-FORREST.

General Statement. The Department of English contemplates a three-fold object:

1. Practice in English composition.
2. A knowledge of our own language.
3. Independent ability to read and appreciate English literature.

Courses.

1a, 2a, 3a. FRESHMAN ENGLISH: English literature and composition; a general survey of English literature, together with practice in composition. Three majors.

Fall, Winter, Spring, 9:00.

1b, 2b, 3b. FRESHMAN ENGLISH: Second division.

Fall, Winter, Spring, 10:30.

10, 11, 12. THE HISTORY OF THE ENGLISH LANGUAGE AND OF EARLY ENGLISH LITERATURE: Some of the aims of this course are to provide for the discipline and culture long recognized in the study of other languages than our own; to cultivate a sense of idiom and of the logical relations and powers of English indispensable to any first-hand appreciation of the great writers; to acquire historical perspective in the study of English literature; and to gain some intimate acquaintance with early masterpieces. The readings are selected to illustrate lectures throughout the year on the development and characteristics of various types of English literature. The first term is given to a study of Old and Middle English grammar and to reading of prose and poetry, the second and third terms to a study of Chaucer and other Middle English writers. Students preparing to teach English, especially those who do their major work in English, are re-

quired to take this course. Students expecting to take English 17 (Shakespeare) in 1913-'14 should take this course in 1912-'13. Prerequisite, English 1, 2, 3, or four years of preparatory English with high grade.

PROFESSOR KENYON.

Fall, Winter, Spring, 11:30.

16. INTRODUCTION TO SHAKESPEARE: A brief introduction to sixteenth century English, preparatory to reading selected plays of Shakespeare. Prerequisite, English 1, 2, 3, or 10, 11, 12, even for students who have had four years of preparatory English.

PROFESSOR KENYON.

Fall, 9:00.

18. SHAKESPEARE: A careful reading of selected plays, with attention to anything that bears on their interpretation. This course alternates with 17, and both may be taken, as different plays are read in each course. Prerequisite, English 16.

PROFESSOR KENYON.

Fall, 9:00.

19. MILTON: A study of the English works, as far as time allows. Prerequisite, five majors in English.

PROFESSOR KENYON.

Spring, 9:00.

- [15. SHAKESPEARE: A sequel to course 17, with a more rapid study of several plays.

PROFESSOR KENYON.]

- [14. THE ENGLISH NOVEL: This course is a study of representative nineteenth century novels. Prerequisite, four majors in English.

PROFESSOR KENYON.]

- [13. MASTERPIECES OF ENGLISH PROSE: This course consists of a study of several of the best pieces of prose from Lyly to the present time. Attention will be given both to style and subject-matter. Prerequisite, four majors in English.

PROFESSOR KENYON.]

- 4, 5, 6. AMERICAN LITERATURE: This course is continuous throughout the year. It will be so divided as to be open

each term to new students who have completed English 1, 2, 3 or the equivalent.

MISS GRAYDON.

Fall, Winter, Spring, 10:30.

4b, 5b, 6b. AMERICAN LITERATURE: A second section.

Fall, Winter, Spring, 8:00.

7, 8, 9. THE ENGLISH DRAMA: This course is continuous throughout the year. The English drama is studied as an expression of social conditions and a distinct art, without neglect of its characteristics as a form of literature. Lectures and interpretation are given by the instructor, while an intensive study of typical plays is made by the student. Prerequisite, six majors of English.

MISS GRAYDON.

Fall, Winter, Spring, 9:00.

[20. THE DEVELOPMENT OF THE ESSAY: Lectures, historical and critical, are given, while reading and analysis of representative essays are made. Prerequisite, four majors of English.

MISS GRAYDON.

Fall, 10:30.]

[21. BROWNING.

MISS GRAYDON.]

[22. BROWNING.

MISS GRAYDON.]

[23. TENNYSON.

MISS GRAYDON.]

Courses 21, 22, 23 regard the personality of each poet and the development of his art. Historical and literary criticism is made of selected poems. Prerequisite, six majors of English.

PHILOSOPHY.

PROFESSOR HOLLANDS.

General Statement. The main purpose of the work in Philosophy is to put the student in possession of a way of looking at things which will help him to interpret both his own experience, and the larger problems which enter into the

intellectual life of the time. The historical method is followed, and actual reading of the great philosophers required, so far as is feasible in general courses of an introductory character.

Courses.

1. **PSYCHOLOGY:** An elementary course, designed to acquaint the student with the scope and methods of the science, the nature and activities of the mind, its laws and processes. Prerequisite, nine college majors. *Fall, 10:30.*
2. **LOGIC:** An elementary study of the nature, principles and methods of reasoning. The disciplinary value of the subject is emphasized, and constant drill in the analysis and criticism of arguments and ratiocinations of various types is provided. *Winter, 10:30.*
3. **ETHICS:** The nature, presuppositions and history of the fundamental conceptions of morality. *Spring, 10:30.*
4. **PHILOSOPHY OF RELIGION:** In this course it is proposed to study some of the fundamental problems common to philosophy and religion. *Fall, 11:30.*
- 5, 6. **HISTORY OF PHILOSOPHY:** A study of the development of thought from the Greeks to the present time, in its relation to the history and civilization of the various periods. *Fall, Winter, 8:00.*
- [7. **ENGLISH THOUGHT IN THE NINETEENTH CENTURY:** The more important social, literary and philosophical tendencies will be examined in an untechnical way. Lectures and reports. *Spring.]*
8. **EVOLUTION: HISTORY AND SIGNIFICANCE OF THE IDEA:** An untechnical study of the history of evolutionary theory from the first appearance of the idea among the Greeks to modern times, followed by a discussion of recent modifications and applications, and an attempt to estimate the significance of the evolutionary point of view for an ultimate theory of the world. *Spring, 8:00.*

10. **PLATO:** Reading and discussion of the more important Platonic dialogues, in English translation. *Winter, 11:30.*
Prerequisite to 4 and 10, eighteen college majors.
11. **KANT AND THE GERMAN IDEALISTS:** This course will be conducted as far as possible by discussion of the important work of Kant and the Post-Kantians. Prerequisite, courses 5 and 6. Those students who have elected courses 4 and 10, and have not had the History of Philosophy, may elect course 8 in the Spring term. *Spring, 11:30.*

ECONOMICS AND POLITICAL SCIENCE.

PROFESSOR PUTNAM.

General Statement. The introductory courses in this department are given every year. The advanced courses alternate and are intended to meet the needs of two classes of students. First, those preparing for commercial or financial careers or for the public service, and, secondly, those looking forward to graduate work in Economics, Political Science, or allied subjects. The courses in Political Science are also of especial significance as a preparation for the study of Law or Journalism.

Courses in Economics.

1. **ECONOMICS:** A thorough introduction is given to the subject. A text-book will be used, but the student will be expected to compare the views of various authorities on the more important topics. Prerequisite, credit for nine college majors. *Fall, 9:00.*
2. **MONEY AND BANKING:** The main interest in this course will be the nature and functions of currency (coin, note and deposit). The various experiments of the United States will be studied in the light of the leading theories of money. The main features of the banking system, the influence of banks

on speculation, their management in financial crises, dangers and safeguards will be discussed. Prerequisite, course 1.
Winter, 9:00.

3. PUBLIC FINANCE: Taxation will be the principal subject of this course. Leading theories of taxation, the methods employed in various countries, and the national, State and local systems of the United States will be examined. A less minute study will be made of the subjects of public debts and financial administration. Prerequisite, course 1. *Spring, 9:00.*
- [4. ECONOMIC HISTORY: An introduction to the study of the development of commerce and industry, with a somewhat detailed consideration of the causes of the Industrial Revolution and the nature of the industry of the present time. Prerequisite, credit for nine college majors. *Fall.]*
5. TRANSPORTATION: An outline course dealing with the more important principles and facts relating to railways, waterways, and the express, telegraph, telephone and postal services. The greater portion of the course, however, is given to the problems of railway transportation, including financing, consolidation, rate-making and regulation. Prerequisite, course 1. *Fall, 10:30.*
6. PROBLEMS OF LABOR: A study of the special problems and interests of wage earners, such as the organization and policies of trades-unions, employers' associations, arbitration, profit-sharing, factory acts and other forms of labor legislation. Prerequisite, course 1. *Winter, 10:30.*
- [7. COMMERCE: A brief survey of the geography of commerce, followed by a study of the economic significance of commerce; the mechanism of commerce, such as railways, banks, etc.; the character of international trade; tariff and colonial policies. Prerequisite, course 1.]
- [8. CORPORATIONS AND CORPORATION FINANCE: A study of the growth of large industries and the place and nature of pub-

lic service and industrial corporations and trusts in modern industrial society. Especial attention will be given to methods of financing such enterprises, to the character of their securities, and to their industrial effects.]

11. **ADVANCED ECONOMICS:** A detailed study of economic theory. Value and Distribution will be the subjects taken up. The course is open only to those who have satisfactorily passed course 1.

Spring, 10:30.

Courses in Political and Social Science.

1. **AMERICAN POLITICS:** A study of the national, State and local political institutions of the United States. Prerequisite, seven college majors.
- Fall, 11:30.*
2. **PROBLEMS OF MUNICIPAL GOVERNMENT:** A comparative study of the charters and practical workings of the municipalities of Indianapolis, St. Louis, Chicago, New York, Glasgow, Birmingham, Manchester, London, Paris, Hamburg, Berlin. Particular attention will be paid problems in organization and administration and to methods of control of public works. Prerequisite, course 1.
- Spring, 11:30.*
- [3. **GOVERNMENT OF DEPENDENCIES:** An examination of important systems of colonial and territorial government, such as those found in American territories, the British self-governing colonies, and various colonies inhabited by inferior races. Prerequisite, course 1.]
4. **EUROPEAN GOVERNMENTS:** A comparative study of the constitutional organization and practical working of the principal governments of Europe. Prerequisite, course 1 or its equivalent.
- Winter, 11:30.*
- [5. **INTERNATIONAL LAW:** A course designed to explain the origin and interpretation of the rules governing the relations of modern nations. Especial attention is given to the problems

of American diplomacy. Prerequisite three majors of College History. (Given in 1911-'12.) *Spring.*]

- [6. **GENERAL SOCIOLOGY:** The course deals with the development of society, the more important of the social forces, and such fundamental institutions as the family, the church and the State. Consideration will be given to such of the present day social problems as the time may permit. Prerequisite, nine college majors. *Fall.*]
- [7. **CHARITIES AND CORRECTION:** A study, first, of the dependent class, with special reference to the causes of poverty and the methods of amelioration; second, of the defective class and the institutional treatment of defectives; third, of the delinquent class, the causes of crime and the means of its prevention, and the systems of prison management and discipline. Visits will be made to various charitable, penal and correctional institutions. *Winter.*]

(For Professor Lumley's courses in Sociology, see p. 79.)

HISTORY.

PROFESSOR COLEMAN.

General Statement. The plan of the courses in History provides for two outline courses in the history of European civilization, to be followed, if the student so elects, by a more detailed and thorough study of selected epochs and important movements. The two outline courses, 1 and 2, are fundamental and must precede all others both in General and in Church History except the course in Missions. With the exception of this last course, no courses in History are open to students who have done less than nine majors of college work. All courses except 1 and 2 vary from year to year so as to allow continuous work in the department without repetition.

Courses.

1. **MEDIEVAL EUROPE:** An outline course upon the history and institutions of Europe during the Middle Ages. Instruction is given by lectures, text-book and collateral reading. Prerequisite, nine majors of college work. *Fall, 11:30.*
2. **MODERN EUROPE:** An outline course upon the development and spread of European civilization from about 1450 to 1815, continuing course 1. Prerequisite, course 1. *Winter, 11:30.*
3. **CONTEMPORARY EUROPE:** A study of the internal condition and international relations of the leading European countries during the last century. Prerequisite, courses 1 and 2. *Spring, 11:30.*
- [6a, 6b. **GERMANY DURING THE REFORMATION:** A study of the political, religious and social movements in Germany from Luther's theses (1517) and the election of Charles V (1519) to the peace of Augsburg (1555.) Prerequisite, courses 1 and 2. *Fall, Winter.]*
- [7. **FORMATION OF MODERN GERMANY, 1848-1910:** Beginning with the revolution of 1848 in Germany, this course deals with the establishment of Prussian leadership and the exclusion of Austria, the formation of the Empire and the political, social and industrial evolution of present-day Germany. While advisable to take this course only after the completion of the preceding courses, they are not prerequisite. *Spring.]*
20. A study of the discovery and exploration of the New World and of its occupation by European nations, with especial reference to the English colonies, but including also a general consideration of Spanish, Portuguese, French and Dutch colonies, 1492-1763. Prerequisite, History 1, 2. *Fall, 10:30.*
21. A study of the revolution by which the thirteen English colonies became an independent nation, with incidental study of the emancipation of Latin America, 1762-1822. Prerequisite, History 1, 2, 20. *Winter, 10:30.*

31. **HISTORICAL SEMINAR:** Lectures on the study of history and reports on assigned topics covering a few of the most notable pieces of historical work done since the time of the Italian Renaissance. Prerequisite, credit for 15 college majors, including 3 majors of college history, and some knowledge of either French or German. *Spring, 10:30.*

(For courses in Church History, see p. 76.)

RELIGIOUS EDUCATION.

PROFESSOR MORRO.

PROFESSOR HALL.

PROFESSOR COLEMAN.

General Statement. These courses are intended to give the college student an introductory knowledge of the fundamental and essential principles of the Christian religion and its history. They are planned for the general and not for the ministerial student, though all students who expect to become ministers, missionaries or other religious workers, are advised to elect courses from this department. It will be noted that the work of this department consists mainly in imparting a knowledge of the English Bible. Candidates for the degrees of Bachelor of Arts or of Science may elect courses from this department on the same conditions as those from other departments.

Old Testament Literature.

1. **THE HEXATEUCH:** A non-technical study of the first six books of the Bible.

PROFESSOR HALL.

Fall, 8:00.

2. **THE HISTORICAL BOOKS:** A study of the History of Israel, based directly on the reading and comparison of the historical books.

PROFESSOR HALL.

Winter, 8:00.

3. THE PROPHETICAL BOOKS: The origin, growth and character of Hebrew prophecy.

PROFESSOR HALL.

Spring, 8:00.

Old Testament History.

During the Fall term this history will be studied to the Division of the Kingdom; during the Winter term to the Exile, and during the Spring term, to the close of the Old Testament period, with a brief survey of the intervening period between the close of the Old Testament and the beginning of the Christian age. This course and those in the literature of the Old Testament will not both be given in the same year.

PROFESSOR HALL.

Fall, Winter, Spring, 8:00.

New Testament History.

1. THE LIFE OF CHRIST.

PROFESSOR MORRO.

Fall, 9:00.

2. THE APOSTOLIC AGE.

PROFESSOR MORRO.

Winter, 9:00.

The Ethical Teaching of the New Testament.

PROFESSOR MORRO.

Spring, 9:00.

New Testament Interpretation.

(For these courses two years of Greek are a prerequisite.)

1. THE SYNOPTIC GOSPELS, with special attention to the peculiarities of the New Testament language.

PROFESSOR MORRO.

Fall, 10:30.

2. PAUL'S EPISTLES OF THE IMPRISONMENT.

PROFESSOR MORRO.

Winter, 10:30.

3. ACTS OF APOSTLES.

PROFESSOR MORRO.

Spring, 10:30.

Church History.

9. **OUTLINE OF CHURCH HISTORY.**
 PROFESSOR COLEMAN. *Fall, 8:00.*
10. **THE PROTESTANT REVOLUTION.**
 PROFESSOR COLEMAN. *Winter, 8:00.*
11. **AMERICAN CHRISTIANITY.**
 PROFESSOR COLEMAN. *Spring, 8:00.*

BIOLOGY.

PROFESSOR BRUNER.

General**Statement.**

This department aims (1) to meet the demands of a liberal education, and (2) to prepare students for teaching, investigation and medicine. The elementary courses in zoology and botany are designed partly to meet the first demand and partly to furnish a basis for more advanced work.

The method of instruction recognizes the value both of the ideas of science and of discipline; it emphasizes general principles, and at the same time encourages the acquisition of the methods and habits of scientific investigation. Lectures and recitations go hand in hand with practical work, in which each student is required to make a faithful record of his observations.

To meet the requirements for graduation, courses 1, 2, 3 in zoology may be elected. In all cases three continuous courses must be taken to receive credit, but students from other colleges may offer an equivalent for one or more of these courses.

A laboratory fee of \$3.00 per term is charged in all cases, excepting courses 7 and 9, for which the charges are indicated below.

Courses in Zoology.

1. **ELEMENTARY ZOOLOGY:** (a) General introduction. The most important characteristics of living matter; structure and properties of the cell; origin of tissues and organs.

(b) An outline of the structure, functions and classification of Protozoa, sponges, Coelenterata, worms.

Fall, 10:30-12:30.

2. ELEMENTARY ZOOLOGY (continued): Polyzoa, Arthropoda, Mollusca, Echinodermata. *Spring*, 10:30-12:30.

3. ELEMENTARY ZOOLOGY (continued): (a) The vertebrate type and its chief modifications; laboratory work on Amphioxus, dogfish, frog, lizard, pigeon, mammal. Outline of the theory of evolution. *Winter*, 10:30-12:30.

4, 5. HISTORICAL AND MICROSCOPICAL METHODS: (a) A study of the methods and processes employed in microscopical investigation, with practical work in the preparation of various kinds of material. Special attention is given to fixation, staining, section cutting, mounting, methods of reconstruction, etc.

(b) A study of the minute anatomy of a typical mammal. Prerequisite, courses 1, 2, 3, or an equivalent.

Fall, Winter. Hours to be arranged.

6. EMBRYOLOGY OF VERTEBRATES: Lectures on segmentation, the formation of the germ layers and the development of organs; practical study of the chick, frog and pig. Must be preceded by course 3. *Spring.* Hours to be arranged.

7. COMPARATIVE ANATOMY OF VERTEBRATES:

(1) A review of the classification and development of vertebrates.

(2) A study of physiological mechanisms—skeleton, muscular system, nervous system, sense organs, respiratory systems, urinogenital systems, etc.

Open to students who have taken courses 1, 2, 3.

Laboratory fee, \$4.00.

Weidersheim and Parker's Comparative Anatomy of Vertebrates. Hours to be arranged.

8. **MAMMALIAN ANATOMY:** This course is intended for students who desire an acquaintance with the structure of the mammalian body as a preparation for work in physiology, anatomy and medicine. Prerequisite, course 7. Reighard and Jennings' *Anatomy of the Cat*. Hours to be arranged.
9. **PHYSIOLOGY:** A course in human physiology, including recitations, demonstrations and practical exercises in the laboratory. A fee of \$1.50 is charged. *Winter, 9:00.*

Courses in Botany.

- [1. **ELEMENTARY BOTANY:** This course deals with the larger groups of plants—algæ, fungi, liverworts, mosses, ferns, seed-plants—whose general characteristics are illustrated by the study of typical forms. In connection with the above, particular attention is given to cell structure, the differentiation of cells and tissues, the origin of sex, alternation of generations and the significance of the seed.]
2. **ECOLOGY:** A study of the adaptations of plants to their physical environment and to other organisms, including the modification of plant structures under changing conditions, and the origin and development of plant societies. An elementary course for teachers and general students. Instruction is given by means of lectures, lantern views, laboratory exercises and field work. *Spring, 8:00-10:00.*

CHEMISTRY.

PROFESSOR BROWN.

General Statement.

The courses offered in this department are primarily designed to meet the wants (1) of those desiring a general knowledge of the subject, and (2) of those feeling the need of more advanced work in order to prepare themselves for research work, teaching, medicine, chemical engineering or other professions.

The instruction is given by means of lectures, recitations and laboratory work. The lectures are fully illustrated by numerous classroom experiments, and are supplemented by recitations, written exercises, written examinations, problems and laboratory work.

The equipment of the department is good. The lecture-room is fully supplied with apparatus and all of the modern facilities for the experimental illustration of the different lecture courses. The laboratories are well furnished, being conveniently arranged and supplied with tables, reagents, gas, water, hoods and all the necessary facilities to enable the student to carry on the lines of work laid out in the several courses. To each student is assigned his own desk with separate outfit of apparatus and chemicals. Courses 1, 2, 3 constitute a continuous course.

Courses.

1, 2, 3. GENERAL INORGANIC CHEMISTRY: Elementary. The non-metals and metals. Lectures, recitations and laboratory work. The lectures, which are fully illustrated by experiments, are devoted to a discussion of the facts and theories of chemistry, to the use of symbols, formulæ and equations and the solving of chemical problems, together with the history, occurrence, preparation and properties of the elements and their principal compounds. In the laboratory special attention is given to training the student in inductive reasoning as applied to chemical work. It is recognized that while the accumulation of chemical facts is of importance, careful observation and the correct interpretation of the phenomena observed are of much greater importance.

Fall, Winter, Spring—Lectures, Tues., 2:00; Sat., 12:00.

Laboratory, Wed., Thurs., Fri., 2:00-4:00.

4, 5. QUALITATIVE ANALYSIS: Lectures, recitations and laboratory work. A systematic course in qualitative analysis, including a comparison of the different methods of separation and identification of inorganic substances, both in solution

and in the dry condition. The ionic theory and the law of mass action, as applied to the work in this course, are fully discussed. Prerequisite, courses 1, 2, 3, or their equivalent.

Fall, Winter, 10:30-12:30.

6. **INORGANIC PREPARATIONS:** Lectures, recitations and laboratory work. The preparation of some of the more important inorganic compounds, including a study of those conditions under which the largest quantitative yield may be obtained. Prerequisite, courses 1, 2, 3 or their equivalent.

Spring, 10:30-12:30.

- [7.] 8, 9. **QUANTITATIVE ANALYSIS:** Lectures, recitations and laboratory work. An introduction to quantitative methods and the chemistry upon which those methods are based. Analysis of salts, alloys, commercial products, etc., by gravimetric, volumetric and electrolytic methods. Prerequisite, courses 3, 4, 5, or their equivalent.

Fall, Winter, 10:30-12:30.

- 10, 11. **GENERAL ORGANIC CHEMISTRY:** Lectures, recitations and laboratory work. The principles of organic chemistry, together with the preparation and the study of the properties of the typical series of compounds of carbon. This course is especially recommended to those desiring a good general knowledge of elementary organic chemistry. Prerequisite, courses 1, 2, 3.

Winter, Spring. Lectures and recitations two days a week at 11:30, laboratory work, three days a week, 10:30-12:30.

- [12. **PHYSICAL CHEMISTRY:** Lectures, recitations and laboratory work. The more important processes and theories involved in this important branch of the science. Prerequisite, courses 1-5, inclusive. Two lectures and three laboratory periods per week.]

13. **GAS AND COAL ANALYSIS:** The measurement of gases and vapors, and the quantitative analysis of gaseous mixtures. Analysis of typical samples of coal.

Fall, 10:30-12:30.

[14. **FOOD ANALYSIS:** The more common processes applied to important foods; discussion of adulterants and food values.]

[15. **SOIL, MINERAL AND ALLOY ANALYSIS:** Special emphasis is laid on the constituents of industrial importance.]

Prerequisites for courses 13 and 15 are courses 1-5, and 7-9, inclusive; for course 14 the prerequisite is courses 1-5 and 7-11, inclusive.

16, 17, 18. **SPECIAL WORK:** Students who have completed courses 1 to 12, inclusive, and who show special qualifications, will be assigned special work along lines of original investigation.

Daily, 10:30-12:30.

The laboratory fee for courses 1, 2 and 3 is \$3.00 each; for all other courses it is \$4.00. These fees are for each term payable in advance. Extra charge is made for breakage, damage to apparatus and the more expensive chemicals.

PHYSICS.

PROFESSOR BROWN (in charge).

Mr. ———

General Statement. The courses offered in this department aim to present the subject of General Physics in a more thorough, careful and extended manner than is the case in an elementary presentation of the subject. The instruction is given by means of recitations and lectures, with much experimental work and the solution of problems. The courses are open only to those who have completed course 1 in Mathematics or its equivalent. The following courses, 1, 2, 3, are continuous. A laboratory fee of \$2.00 per term is charged.

Courses.

GENERAL PHYSICS 1, 2, 3: The more fundamental laws and principles are studied and illustrated. Special emphasis is laid

on the applications of the science in engineering and other departments.

1. MECHANICS OF SOLIDS, LIQUIDS AND GASES. *Fall*, 8:00-10:00.
2. HEAT, SOUND AND LIGHT. *Winter*, 8:00-10:00.
3. MAGNETISM AND ELECTRICITY. *Spring*, 8:00-10:00.

GEOLOGY AND PHYSICAL GEOGRAPHY.

PROFESSOR BRUNER (in charge).

General Statement. The instruction offered in this department is intended as an introduction to the entire field of geological science. The subject-matter of the course is believed to include that which is most interesting to the student, and at the same time most valuable to the average citizen. The collections in the museum are of great value for illustration of the work outlined below.

Courses.

1. **ELEMENTARY GEOLOGY:** (a) The dynamical agencies and their work, as illustrated in denudation, earthquakes, volcanoes, coral reefs and islands, glaciers, etc.
 (b) The structure of the earth's crust; stratified, igneous and metamorphic rocks; origin of mountains; faults, dykes, mineral veins.
 (c) Historical Geology. The development of the North American continent; the evolution of the life of the globe.
Winter, 9:00.
- [2. **PHYSIOGRAPHY:** A study of the origin and development of land forms and of the influence of the physiographic factor on the distribution and activities of mankind. One hour daily, with excursions.]

MATHEMATICS AND ASTRONOMY.

PROFESSOR JOHNSON.

General Statement. The work in mathematics is arranged with a view to the interests (1) of those who desire to pursue mathematics as a means of general culture, and because of the valuable mental discipline which it affords, (2) of those who wish to use mathematics as an instrument in the study of the physical sciences, and (3) of those who intend to become teachers and investigators in mathematics.

The courses in mathematics outlined below may be roughly divided into elementary and advanced. By elementary courses are meant the courses in geometry, trigonometry, higher algebra, analytic geometry, differential and integral calculus. These courses are necessary in preparation for all the other courses given in mathematics.

While the more advanced courses are not all given each year, they vary from year to year in such a way that a student may receive continuous instruction in mathematics for five or six years.

The courses in astronomy are designed (1) for the general student, (2) as a basis for advanced work in theoretical and practical astronomy. The courses in mechanics show the application of calculus to physics and prepare the student for advanced theoretical physics and celestial mechanics.

Students who do not offer solid geometry for entrance to college may receive college credit for course A. It is, however, recommended that solid geometry be included among the elective units offered for entrance.

Courses in Mathematics.

- A. **SOLID GEOMETRY:** The usual theorems and constructions, including the relations of planes and lines in space; the properties of prisms, pyramids, cylinders, cones and spheres; numerous original exercises. *Spring.*

1. **PLANE TRIGONOMETRY:** After developing the fundamental principles, many exercises are given to furnish drill in the application of the formulas to the solution of problems.
Fall, 8:00.
2. **ADVANCED ALGEBRA:** Besides a brief review of the quadratic equation, this course includes permutations, combinations, logarithms, theory of equations, application of the principle of mathematical induction, determinants, Horner's method of solving numerical equations, elements of the theory of complex numbers and the algebraic solution of the general cubic and biquadratic equations.
Winter, 8:00.
3. **ANALYTICAL GEOMETRY:** The application of algebra to geometry. The conic sections and their equations receive most attention. A little time is given to solid geometry. Prerequisite, course 1.
Spring, 8:00.
4. **DIFFERENTIAL CALCULUS:** Since this is a decidedly new field to the student, the transition is made cautiously. This is largely a drill course, but aims at vigor in the treatment in so far as seems desirable in beginning this subject. Prerequisite, courses 1, 2, 3.
Fall, 11:30.
5. **DIFFERENTIAL AND INTEGRAL CALCULUS:** Continuation of course 4, about eight weeks being devoted to the differential and four weeks to the integral calculus.
Winter, 11:30.
6. **INTEGRAL CALCULUS:** Continuation of course 5. Considerable attention is given to applications of calculus to geometry and mechanics.
Spring, 11:30.
- [7. **DIFFERENTIAL EQUATIONS:** This course deals with the methods of solution of the simpler ordinary and partial differential equations, many of which occur in works on advanced physics. Prerequisite, course 6.]
- [8. **THEORY OF EQUATIONS:** A course devoted to the general properties of equations, determinants, transformation of

equations, symmetric functions and the complex variable.
Prerequisite, course 6. *Fall.*]

- [9. THEORY OF EQUATIONS: Continuation of course 8. *Winter.*]
10. SOLID ANALYTICAL GEOMETRY: In this course calculus is applied to the study of surfaces. Prerequisite, course 6. *Spring.*
- [11. ADVANCED DIFFERENTIAL CALCULUS: Based on Byerly's Differential Calculus. Prerequisite, course 6. *Fall.*]
- [12. ADVANCED INTEGRAL CALCULUS: Byerly's Integral Calculus, supplemented by lectures. The topics studied are imaginaries, definite integrals, multiple integrals, elliptic integrals, and elements of functions of a complex variable. Prerequisite, course 11. *Winter.*]
- [13. THEORY OF FUNCTIONS: This course deals with conformal representation, infinite series, singular points of analytic functions, and particularly with algebraic functions. Prerequisite, course 12. *Winter.*]
- [14. PROJECTIVE GEOMETRY: The geometry of the projective group in the plane and in space is studied by both the analytic and synthetic methods; applications to non-Euclidian geometry. Prerequisite, course 12. *Spring.*]

Courses in Astronomy and Mechanics.

1. GENERAL ASTRONOMY: This course is designed for those who desire to pursue the work as part of a liberal education. Requires no mathematical preparation. The telescope will be used in connection with the study of the solar and stellar systems. *Fall, 9:00.*
2. GENERAL ASTRONOMY: Continuation of course 1. *Winter.*

- [3. **ELEMENTARY MECHANICS:** Kinematics, statics and kinetics will be studied in their elementary forms without the knowledge of calculus. Prerequisite, Mathematics 1. *Spring.*]
- 4. **ANALYTIC MECHANICS:** Statics and dynamics. The application of calculus to determine the state of a system of particles of rigid bodies. Prerequisite, Mathematics 6. *Winter.*
- 5. **ANALYTIC MECHANICS:** Continuation of course 4. Problem work is an important feature of this course. *Spring.*
- [6. **INTRODUCTION TO CELESTIAL MECHANICS:** The problem of two and three bodies will be considered. Also the method of determining the elements of an orbit. Prerequisite, Mechanics 4, 5. *Fall.*]

PHYSICAL CULTURE.

CARL B. SPUTH, Director.

General Statement. The department of Physical Culture is designed to promote the best health of the individual, to enable him to coordinate muscular movements more quickly and gracefully, to provide for greater physical symmetry, and to inculcate a knowledge of the functions of his own body. To facilitate these ends a modern college gymnasium has been provided, and equipped with necessary apparatus and furnished with dressing room, lockers and shower baths. The gymnasium building is under the complete supervision of a competent director, or his assistant. Six terms' work is required for graduation, three of which must be taken in either the Freshman or Sophomore year.

Gymnastic costumes will be required of all students taking work in the Department of Physical Culture. Such a costume can be obtained at a small cost.

DEPARTMENT OF MINISTERIAL EDUCATION

FACULTY.

THOMAS CARR HOWE, A. M., Ph. D., President.

WILLIAM CHARLES MORRO, A. M., B. D., Ph. D., Head of the Department, Professor of New Testament Text and Interpretation.

JABEZ HALL, A. M., Professor of Homiletics and Theology.

CHRISTOPHER BUSH COLEMAN, A. B., B. D., Professor of Church History.

FACULTY OF THE MISSIONARY TRAINING SCHOOL.

CHARLES THOMAS PAUL, A. M., Principal, Professor of Comparative Religion and Missionary History.

HARRY CLARK HURD, A. M., M. D., Professor of Anthropology and Missionary Science.

FRED ELMORE LUMLEY, A. M., B. D., Ph. D., Professor of Sociology.

GENERAL STATEMENT.

Advantages which Butler College offers to those preparing for the ministry and to ministers seeking to improve their equipment are: Central location in an ideal residence district of a city of almost 250,000 population, with steam and electric roads radiating from Indianapolis, affording access to numerous churches in need of preachers; strong city churches and ministers whose work will repay observation and study; close touch with the national head-

quarters and the training school of the Christian Woman's Board of Missions and its strong missionary work; good college courses in a college of high standing and reputation; a course of study which gives the student not only a broad outlook but specific training for the work of the ministry; large libraries belonging to the college, the city of Indianapolis and the State, all accessible to students.

A generous gift made by Mr. Marshall T. Reeves, of Columbus, Indiana, as part of a new endowment of \$250,000, has rendered possible the more careful planning in Butler College of the work of ministerial education. Arrangements have already been made by which more men will be added to the faculty.

Students. Every student who is admitted to this department must be of good, well-established Christian character, and unless he is so well known to some member of the faculty as to render such credentials unnecessary, he should present a letter from the church in which he holds membership, from his pastor or from some person competent to certify as to his integrity. Students admitted to this department are of two classes, viz., regular and special. Regular students are those who have been graduated from some approved college. In some exceptional cases where the training of the applicant is slightly deficient, he may by special permission be admitted by the faculty as a regular student. Special students are those who are not college graduates and who for good reasons do not purpose to complete either the requirements for a bachelor's degree or the work of this department. They will be admitted only by consent of the faculty. In no case will any student be admitted to this department who has not completed a considerable portion of the college course. For those whose training is deficient, provision is made by Butler College, and attention is especially directed to the Department of Religious Education, the courses of which are listed on page 58 of this catalog. The provisions of this department enable a student to secure a fair amount of Biblical instruction while completing his undergraduate work.

Degrees. Butler College has not previously been in a position to provide the instruction necessary for granting the B. D. degree, nor will this degree be conferred upon any one in 1913. However, plans and arrangements are so far perfected that the faculty feels warranted in making a provisional announcement of its intention to establish a course leading to this degree and to receive students as candidates therefor. The degree will be granted on the completion of twenty-seven majors of work from the courses listed below and on the acceptance of a thesis on some approved subject prepared under the direction of some member of the faculty of this department. In all ordinary cases, it will require three college sessions to complete these required courses and write the thesis, but students of Butler College may during their Junior and Senior years elect from the Department of Religious Education and from the courses of other departments listed below sufficient to make nine majors, and these will be credited toward the B. D. degree. This enables a student to secure the B. D. degree within two years after receiving his A. B. degree from Butler College. In no case will work done during the Freshman or Sophomore years, nor will more than nine majors of Junior and Senior work, be credited toward the B. D. degree. The minimum passing grade for all work counted toward a graduate degree in Butler College is 70 per cent. Students who expect to take courses in this department are requested to make application through the head of the department for admission. Blanks for this purpose will be provided. The faculty reserves the right to require certain courses of those who apply for the B. D. degree and to grant the diploma without the degree to those whose work while above the passing mark is not considered of quality to merit the degree.

THE MISSIONARY TRAINING SCHOOL.

The names of the faculty and the courses of instruction offered by the Missionary Training School are listed in this department. This institution is located in close proximity to Butler College. It is maintained by the Christian Woman's Board of Missions. Its

standards of admission are practically the same as those of the Department of Ministerial Education of Butler College. The students of the Missionary Training School have access to the classes of this department, and any student in the Department of Ministerial Education of Butler College may, on securing the approval of the faculty of this department, elect any course offered by the Missionary Training School.

COURSES OF INSTRUCTION

OLD TESTAMENT.

PROFESSOR HALL.

1. HISTORY. *Fall, Winter, Spring, 8:00.*
2. INTRODUCTION: A study of the origin, development, nature and content of the Old Testament Literature. Supplementary reading will be required. *Fall, Winter, Spring.*
3. BIBLICAL SOCIOLOGY: The social teachings of the Old Testament. (A course of the Missionary Training School.)
PROFESSOR LUMLEY. *Fall, Winter.*
(Omitted in 1912-'13.)

NEW TESTAMENT.

PROFESSOR MORRO.

1. HISTORY.
 - (a) Life of Christ. *Fall, 9:00.*
 - (b) The Apostolic Age. *Winter, 9:00.*
2. THE ETHICAL TEACHINGS OF THE NEW TESTAMENT. *Spring, 9:00.*
3. INTRODUCTION:
 - (a) Text and canon. *Tues., Thurs., Sat., Fall, 8:00.*

(b) Dates and authorship.

Tues., Thurs., Sat., Winter, 8:00.

4. NEW TESTAMENT INTERPRETATION: (For these courses two years of Greek are prerequisite.)

(a) The Synoptic Gospels, with special attention to the peculiarities of the New Testament language. *Fall, 10:30.*

(b) Paul's Epistles of the Imprisonment. *Winter, 10:30.*

(c) Acts of the Apostles. *Spring, 10:30.*

(d) I Corinthians. *Wed., Fri., Fall, 8:00.*

(e) Gospel of John. *Wed., Fri., Winter, 8:00.*

(f) Galatians, I and II Thessalonians. *Wed., Fri., Spring, 8:00.*

(g) Romans. *Tues., Thurs., Sat., Spring, 8:00.*

(h) Hebrews. *Wed., Fri., Spring, 8:00.*

(i) The Pastoral Epistles. *Wed., Fri., Spring.*

(Omitted in 1912-'13.)

(j) The General Epistles. *Tues., Thurs., Sat., Spring.*

(Omitted in 1912-'13.)

5. BIBLICAL SOCIOLOGY: The social teachings of the New Testament. (A course of the Missionary Training School.)

PROFESSOR LUMLEY.

Winter.

HOMILETICS AND THEOLOGY.

PROFESSOR HALL.

General Statement. In this department instruction will be given in the preparation and delivery of sermons. In addition to courses in Homiletics in the most approved text-books, students will be required to prepare outlines of sermons. A general introduction to theology and systematic courses in Christian doctrine will be given. Instruction will also be given in the practical management of churches and in pastoral care. The subjects of city evangelization and of home and foreign missions will be taught both in the classroom and by institutes and lectures.

Courses.**6. THEOLOGY.**

- (a) General Introduction to Theology. *Fall, 11:30.*
- (b) Outline of Christian Theology. *Winter, 11:30.*
- (c) Pauline and Johannine Theology. *Spring, 11:30.*

7. METHODS OF CHURCH WORK.

- (a) Homiletics: The preparation and delivery of sermons. *Fall, 2:00.*
- (b) Pastoral Theology: The objects and methods of pastoral work. *Winter, 2:00.*
- (c) Modern Church Methods: The organization and directing of church work, observation and personal work in Indianapolis churches. *Spring, 2:00.*

CHURCH HISTORY.

PROFESSOR COLEMAN.

General Statement. One general outline course and a number of courses in which particular periods of Church History are considered, are offered. Students are recommended to take as much work in General History as possible before they take any of the work in Church History. Courses 1 and 2 in General History must precede any work in this department.

Courses.

1. **OUTLINE OF CHURCH HISTORY:** This course will constitute an introduction in the study of Church History. The aim will be to get an orderly, systematic and connected view of the entire field of Church History, its epochs and turning points, its leading movements, events and characters. The instruction will be for the most part by lectures and by references to the literature of the subject. Prerequisite, two majors of college work in history. *Fall, 8:00*

10. **THE PROTESTANT REVOLUTION:** A study of the causes, course and results of the revolt from the Papacy, with especial reference to the position of the Protestant leaders as developed in their principal writings. The period studied will extend from about 1517 to about 1565. *Winter, 8:00.*
11. **AMERICAN CHRISTIANITY:** A study of the distinctive features of Christianity in the United States and of their historical development, together with a discussion of present-day tendencies. *Spring, 8:00.*

Other Courses.

The following courses offered by the professors of Butler College, when taken in accordance with the regulations given above, may be credited toward the B. D. degree:

[PHILOSOPHY 4: A study of the fundamental problems common to philosophy and religion. *PROFESSOR HOLLANDS.*]

[GENERAL SOCIOLOGY: The development of society, social forces, fundamental institutions such as the family, the church and the state. *PROFESSOR PUTNAM. Fall, 10:30.*]

[CHARITIES AND CORRECTION: The causes of poverty and methods of amelioration, defective classes and their treatment, causes of crime and the means of its prevention; visits to charitable, penal and corrective institutions. *PROFESSOR PUTMAN. Winter, 11:30.*]

COURSES OFFERED BY THE MISSIONARY TRAINING SCHOOL.

1. **HISTORY OF MISSIONARY EXPANSION:** Outline study of the propagation of Christianity from its origins down to the present time. *PROFESSOR PAUL. Fall, Winter, Spring.*

2. HISTORY OF SPECIFIC MISSION FIELDS:

(a) Japan. The course will be based on Gulick's Evolution of the Japanese People, Social and Psychic. Designed especially for students preparing for work in Japan.

MR. OIWA.

Fall, Winter.

(b) China: Designed especially for students preparing for work in China.

PROFESSOR PAUL.

Winter, Spring.

3. HISTORY AND COMPARISON OF RELIGIONS.

PROFESSOR PAUL.

Fall, Winter, Spring.

4. ANTHROPOLOGY: An introduction to the study of man as an individual, including his origin, history, nature and place in the universe as set forth in the Bible and by modern science. Lectures, discussions and reports. Text-book, Keane's Ethnology. Lectures and recitations.

PROFESSOR HURD.

Fall, Winter.

5. ETHNOLOGY: A study of the tribes and peoples of the earth as the problem of missions. Text-book, Fease's Ethnology. Lectures and recitations.

PROFESSOR HURD.

Spring.

6. SCIENCE OF MISSIONS: Lectures and readings.

PROFESSOR HURD.

Fall, Winter, Spring.

7. MEDICINE AND HYGIENE: The course aims to provide such knowledge of medicine, hygiene and elementary surgery as every foreign missionary ought to have.

(a) Elements of Medicine. Lectures and recitations. Text book, Steven's Practice of Medicine.

PROFESSOR HURD.

Fall.

(b) Elements of Surgery. The course is practical and not technical. Recitations and lectures.

PROFESSOR HURD.

Winter.

(c) Tropical Medicine and Hygiene. A study of the diseases found in the tropics and sub-tropics. Recitations and lectures.

PROFESSOR HURD.

Spring.

8. THE SOCIAL SCIENCES.

Sociology 1—Elementary Sociology. A course designed to acquaint the student with the different systems proposed by various writers, and to study the method, scope and purpose of the science. Text-books and lectures.

PROFESSOR LUMLEY.

Fall.

Sociology 2—Primitive Society. A systematic study of primitive social conditions based mainly upon ethnography. Under ordinary circumstances the courses in Anthropology and Ethnography are prerequisites. Lectures and readings.

PROFESSOR LUMLEY.

Fall, Winter, Spring.

Sociology 3—The American City. A course arranged to familiarize the student with the main programs of social betterment. Sociology 1 would be valuable as a basis for this work. Lectures, readings and definite investigation.

PROFESSOR LUMLEY.

Winter.

Sociology 4—The Country Life Movement. This course will aim to give special preparation for work in country churches, but it will be helpful for all rural workers. Wide readings, definite investigation, classroom discussion, conferences.

PROFESSOR LUMLEY.

Spring.

9. BIBLICAL SOCIOLOGY.

(a) The Social Teachings of the Old Testament. An advanced course open only to those who have a good knowledge of the Old Testament, have taken Sociology 1, and have shown a capacity for original research. (Omitted 1912-'13.)

PROFESSOR LUMLEY.

(b) The Social Teachings of the New Testament. Wide readings, book reviews and class discussions.

PROFESSOR LUMLEY.

Fall.

10. PEDAGOGY.

(a) History of Education. Survey of the development of

the leading educational movements and systems of Europe, America and Asia. Acquaintance will be sought with typical educational leaders, and with the results of their methods.

PROFESSOR LUMLEY.

Winter.

(b) Pedagogy of Religion. Study of pedagogical principles and practice with especial reference to the teaching of religious truth. The course will be of value to Sunday school workers and Bible teachers generally, as well as to prospective foreign missionaries.

PROFESSOR LUMLEY.

Spring.

DEPARTMENT OF ART

MYRTLE LEWELLYN TAYLOR, Director.

This department offers class work to all students in College. It is separate from the College and charges its own fees, which are payable in advance. College credits are not granted for work done, although a record is kept of the courses satisfactorily completed. The courses offered are adapted to students and also to teachers wishing normal and supervisor work.

It is the aim of the department ultimately to establish a school in design. The Theory of Design and Composition, by Denman W. Ross, is used as text-book, while the design work is arranged in a series of problems, defining the principles which govern line, form and tone.

Each student registering for craft is expected to take the course in design.

Courses.

1. Water colors. Six studies. \$6.00.
2. Design, stencil cutting, color printing on textiles, three prints. \$6.00.
3. Pottery, building, moulding, three pieces. \$15.00.
4. China Painting. Powder colors used and the course in design required. \$6.00.
5. The class work in design consists of a course in pencil drawing, charcoal and water colors, and is intended for all students preparing for normal course work, as supervisors and teachers. This course is open to all regular students of the College at a charge of only \$1.00 for materials.

No student can register for more than three courses during a term.

NORMAL COURSE FOR TEACHERS

SESSION OF 1912.

MONDAY, MAY 13—SATURDAY, AUGUST 3.

GENERAL ANNOUNCEMENT.

Under the present school law of Indiana all teachers in the common schools of the State who begin their work after August 1, 1908, must have at least twelve weeks of professional training in an approved normal school or college. Teachers are divided, according to preparation, experience, success and character of license held, into three classes, A, B and C, and a maximum and minimum salary fixed for each class.

Butler College has been accredited by the State Board of Education for the preparation of teachers in each of the three classes, A, B and C, provided for by the law. The special twelve-weeks' course herein announced has been arranged for the benefit of those who desire to be enrolled this year under Class A, or to do additional work leading to enrollment in Classes B and C.

All graduates of commissioned or certified non-commissioned high schools, and those who have equivalent scholarship, who secure a license of twelve months, become by the completion of the Butler College twelve-weeks' normal course members of Class A, and are eligible to teach in any of the common schools of Indiana.

COURSES OF INSTRUCTION.

The following courses are open to all graduates of high schools and to other approved applicants. Those who expect to be enrolled as teachers in Class A are required to take courses 1 and 2, and any one of courses 3, 4 and 5. No one, unless by special permission, will be allowed to take more than three

courses. Courses 1 and 2 and one other course give all the professional training required of teachers in Class A.

All courses consist of five recitations, of fifty minutes, each week for twelve weeks. Unless otherwise specified the instructors are regular members of the Butler College faculty.

Observation of work in the city schools of Indianapolis is arranged for and required in connection with all of the courses. As the Indianapolis schools are among the best in the United States, and the instructors in the Butler College normal course enjoy the hearty cooperation of the city schools, this part of the work is of great advantage, and is one of the most attractive features of the course.

Courses.

1. PRINCIPLES OF EDUCATION.

ASSISTANT PROFESSOR RUPERT R. SIMPKINS.

2. PRINCIPLES OF TEACHING. -

ASSISTANT PROFESSOR RUPERT R. SIMPKINS.

3. TEACHERS' COURSE IN ENGLISH: Language, Grammar and Composition.

MRS. CORNELIA ALLEN-FORREST.

4. TEACHERS' COURSE IN UNITED STATES HISTORY.

PROFESSOR JAMES G. RANDALL.

5. TEACHERS' COURSE IN ELEMENTARY MATHEMATICS.

PROFESSOR E. N. JOHNSON.

SUMMER SCHOOL

FACULTY.

DEAN.

THOMAS CARR HOWE, PH. D., President of Butler College.

DEPARTMENT OF ENGLISH.

MARK HARVEY LIDDELL, A. B., Formerly Professor of English in the University of Texas. (Editor of the Elizabethan Shakespere, Chaucer's Prologue, Knightes Tale and Nonnes Preestes Tale, Co-editor of the Globe Chaucer, Author of An Introduction to the Study of Poetry.)

DEPARTMENT OF MODERN LANGUAGES.

EDWARD M. GREENE, A. M., Professor of French, Butler College.

DEPARTMENT OF HISTORY AND CIVICS.

JAMES W. PUTNAM, PH. D., Professor of Economics and Political Science, Butler College.

DEPARTMENT OF EDUCATION.

RUPERT R. SIMPKINS, A. M., Assistant Professor of Education, Butler College.

DEPARTMENT OF BIOLOGY.

HENRY L. BRUNER, A. B., PH. D., Professor of Biology and Geology, Butler College.

DEPARTMENT OF MATHEMATICS.

ELIJAH N. JOHNSON, A. M., M. S., Professor of Mathematics, Butler College.

CALENDAR.

June 24, Monday—Registration for Summer School.

June 25, Tuesday—Instruction begins.

August 2, Friday—Examinations begin.

August 3, Saturday—Examinations and close of Summer School.

GENERAL ANNOUNCEMENT.

Terms of Admission. There will be no formal examinations for admission. Students, both men and women, will be admitted to such courses as they are qualified to pursue to advantage. The regular class instruction of the Summer School will begin promptly on June 25. After July 8, no change of courses will be allowed, nor will credit for attendance be given to students entering after that date.

Students completing the work of any of the courses in the Summer School and passing examination thereon will be granted a certificate upon request. Regularly matriculated students of Butler College will receive college credit for work done in Summer School.

Fees. The regular fee will be \$10 for each major course, whether elementary or advanced, and \$6 for each minor course taken.

Students taking the course in Nature Study will be charged an additional fee of \$1.00, plus breakage or other damage to apparatus.

Fees must be paid at the time of registration.

When an announced course has not been applied for by at least five students, the instructor shall be at liberty to withdraw the course.

No student will receive credit for work amounting in value to more than two majors or four minors.

All classes meet on Monday, Tuesday, Wednesday, Thursday and Friday unless otherwise specified.

COURSES OF INSTRUCTION

ENGLISH.

PROFESSOR LIDDELL.

1. **SHAKESPEARE'S OTHELLO:** The course will consist largely of lectures and interpretative readings. The lectures will deal with the text, meaning and literary interests of the play, in the light of modern scholarship, and will be based upon new material gathered by Professor Liddell in preparation for his edition of Othello. The readings will attempt some reflection of its dramatic values, as far as such reflection is possible within the limitations of classroom work. Intending students are requested to provide themselves with copies of Othello as edited in Furness's Variorum or in the First Folio Edition so as to have the play in Shakespeare's own language. *Minor.*
2. **ENGLISH PRONUNCIATION:** The proper pronunciation of English depends upon definite laws of development which our spelling does not represent and our English grammars do not yet include. The purpose of this course will be to present in a practical way some of the more common of these laws as they are now known to English scholars. While it will have no specific relation to English spelling reform, it will throw much light upon this and similar efforts to improve our English spelling system. *Minor.*
3. **ENGLISH PROSE STYLE:** This course will deal with the elements of English style from a practical point of view, but will be founded upon fundamental principles of modern psychology. It will treat of the cardinal qualities of style in their relation to clear English thinking; will discuss the various adaptations of our language material to the ends of effective expression; and will illustrate concretely from the best English writers the forms of arrangement and structure

which have proved most useful in attaining these ends. Manly's English Prose will be the text-book for the course.

Minor.

HISTORY AND ECONOMICS.

PROFESSOR PUTNAM.

1. **POLITICAL HISTORY OF THE UNITED STATES:** A general survey of American history from the adoption of the Constitution to the close of the Reconstruction period, emphasis being laid on political and constitutional topics. Such collateral reading will be done as the brief time permits. *Minor.*
2. **INDUSTRIAL HISTORY OF THE UNITED STATES:** Emphasis will be laid on the industrial side of the subject, and the bearing of industrial development on politics will be pointed out. Such subjects as the rise and growth of the leading American industries, the commercial relations of the country, the tariff, westward expansion, internal improvements and financial and banking problems will receive consideration. A text will be used, supplemented by lectures, assigned readings and reports. *Minor.*
3. **PRINCIPLES OF ECONOMICS:** A discussion of the elementary principles of Economics. Along with the more theoretical side of the subject, such questions as types of business organization, monopolies and trusts, money and banking, labor problems, and socialism, will receive consideration in an elementary way. *Minor.*
Course 1 will be given, and either course 2 or course 3, but not both.

ROMANCE LANGUAGES.

PROFESSOR GREENE.

Two of the following minors are offered on condition that at least twenty-five enroll for the two courses:

FRENCH 1: An elementary course in translation, grammar, composition, dictation and conversation. *Minor.*

SPANISH 1: Similar to French 1. *Minor.*

FRENCH 2: As advanced a course as the ability of the members of the class permits in translation of the best modern French novels, plays and poetry, and in composition and conversation. *Minor.*

SPANISH 2: This course corresponds to French 2. *Minor.*

FRENCH 3: A survey of French literature from the earliest times by means of lectures and by the reading, mostly in translations, of some of the landmarks in the development of the literature. Considerable collateral reading will be required, and a special topic will be assigned each member of the class for an essay. *Minor.*

FRENCH 4: On request, a lecture and reading course will be given on the sixteenth, seventeenth, eighteenth or nineteenth century, or on special authors, as on Rabelais, Racine, Moliere, Rousseau, Hugo, etc. *Minor.*

EDUCATION.

PROFESSOR SIMPKINS.

1. PRINCIPLES OF EDUCATION AND SCHOOL MANAGEMENT:

(a) Principles of Education. Text, Dewey's School and Society, and O'Shea's Education as Adjustment. The aims, principles, and limits of education examined and discussed. Leading theories and doctrines and present tendencies investigated. Discussion of motives and values. Course of Study. Assigned readings and reports. *Minor.*

(b) School Management. Text, Bagley's Classroom Management. A detailed discussion of the problems of school man-

agement. Organization, grading, examinations, promotions, discipline, programs, hygiene, sanitation, and decoration.

Minor.

2. **THE TEACHING PROCESS:** Texts, Thorndyke's Principles of Teaching, Strayer's A Brief Course in the Teaching Process. Application of psychological principles and deductions to the teaching and learning process. Organization of lessons. Observation and criticism of lessons. *Minor.*

BOTANY AND PHYSIOLOGY.

PROFESSOR BRUNER.

1. **GENERAL BOTANY:** A study of the seed-plants, including seeds and germination; the morphology of roots, stems and leaves; flowers and pollination; physiology. Lectures, laboratory and field work. *Major or Minor.*
2. **PHYSIOLOGY:** An elementary course in physiology, hygiene and sanitation. The Human Mechanism, by Hough and Sedgwick, will be used as a text. *Major or Minor.*

DESCRIPTIVE ASTRONOMY.

PROFESSOR JOHNSON.

1. The course is designed for those wishing a knowledge of the elements of astronomy. No mathematical preparation is necessary. In connection with the descriptive work, two or three nights of each week will be spent at the observatory. This time will be given to the study of the planets and their systems, the moon and its surface conditions, the brightness, colors, and systems of stars, and the nebulae. The prominent stars and constellations will be located and studied. *Major.*

EXTENSION COURSES

IN COOPERATION WITH THE INDIANAPOLIS PUBLIC SCHOOLS.

SATURDAY, OCTOBER 7, 1911—SATURDAY, MAY 18, 1912.

FACULTY.

DEAN.

THOMAS CARR HOWE, PH. D., President Butler College.

SECRETARY.

JAMES WILLIAM PUTNAM, Ph. D.

EDWARD B. BIRGE, Director of Music, Indianapolis Public Schools.

GEORGE HENRY DANTON, PH. D., Professor of Germanic Languages,
Butler College.

EDWARD MARTIN GREENE, A. M., Assistant Professor of Romance
Languages, Butler College.

EDMUND HOWARD HOLLANDS, PH. D., Professor of Philosophy and
Education, Butler College.

WILL DAVID HOWE, PH., D., Professor of English, Indiana Uni-
versity.

JOHN SAMUEL KENYON, PH., D., Professor of English Literature,
Butler College.

ROUSSEAU MCCLELLAN, A. M., Head of the Department of Biology
and Physical Geography, Shortridge High School.

JAMES WILLIAM PUTNAM, PH. D., Professor of Political Science,
Butler College.

JAMES GARFIELD RANDALL, PH., D., Acting Professor of History,
Butler College.

EITEL RUSKIN RAY, A. M., Indianapolis Normal School.

CHARLES JACOB SEMBOWER, PH. D., Professor of English, Indiana
University.

ANNA FRANCES WEAVER, A. M., Instructor in Modern Languages,
Butler College.

GENERAL ANNOUNCEMENT

The object of this department is to offer instruction in a limited number of college subjects to persons who can not attend the regular college classes. Classes are held once a week, either after the close of teaching and business hours or on Saturday. The work is of the same standard and character as ordinary college work. But, while the general purpose is culture and training in the methods and spirit of modern scholarship, many of the courses are so shaped as to be of direct use to those engaged in teaching in the public schools, in the study of art and literature, or in certain forms of business.

Admssion. 1. Any one who has fulfilled the requirements for admission to Butler College is admitted as a *regular student*, i. e., as a candidate for a college degree.

2. Any one who, in the judgment of the instructor, is qualified to do the work which he desires to take, may be admitted to such work as an *unclassified student*. If later he becomes a regular student credits obtained in this department will apply toward a degree.

Fees. The fee for a full, or major, course for the year 1911-'12 will be \$10.00, and for a minor, or half, course, \$6.00. The fee for two consecutive minor courses, however, will be \$10.00, as for a single major. This is due upon registration and must be paid before final enrollment in any class.

Work Required and Credits. All work, unless otherwise stated, satisfactorily completed by regular students is credited by Butler College, and is recognized by other colleges. Thus work in this department counts toward a degree in any institution as fully as work done in residence. The amount of college credit received for each course is indicated under that course, the unit being a major, which means from forty-five to fifty-five hours of

classroom work, or thirty exercises of an hour and a half or more each.

The Indianapolis Board of School Commissioners accepts work in these courses in lieu of the examination for assistant principals' and principals' certificates, credit in each course completed giving exemption from one of the examinations required, except in the case of the physiography required for the principals' certificates, for which credit equal to a full college major is required.

Those not desiring credit, but wishing to attend the lectures, or engage in the work planned by the instructors, may enroll in any of the courses, subject to the consent of the instructor, and need not take examinations.

COURSES OF INSTRUCTION

The courses announced below are in some cases alternatives, those to be given depending upon the number of students desiring and enrolling for each. A student enrolling for a course not given may change or withdraw his enrollment.

GERMAN.

1. **ELEMENTARY GERMAN:** The course aims to give systematic training in the spoken as well as the written language. The emphasis is on the practical mastery of forms and the easier idioms and on the rapid reading of a large number of texts.
Major. MISS WEAVER.
3. **GERMAN MASTERPIECES IN ENGLISH TRANSLATION:** The course is designed for those who do not read German but who wish to acquaint themselves with the spirit and meaning of German life through German literature. Lectures, readings, reports and discussions. Students who read German may receive an extra minor credit for additional work.
Major. PROFESSOR DANTON.

FRENCH.

An elementary course will be given if taken by not less than twenty students. *Major.* ASSISTANT PROFESSOR GREENE.

ENGLISH.

1. VICTORIAN LITERATURE: A study of a number of the chief English writers between 1832-1880. The object of this course is to consider the main ideas expressed in the literature of the nineteenth century. *Major.*

PROFESSORS HOWE AND SEMBOWER.

3. THE ENGLISH NOVEL: Study of representative novels with attention to their artistic structure and qualities. *Major.*

PROFESSOR KENYON.

PHILOSOPHY AND EDUCATION.

1. THEORY OF EVOLUTION: An historical review of the development of the evolutionary idea from its origin among the Greeks down to the present, followed by an examination of some of its modern applications in philosophy, ethics and religion. While the biological use of the idea will be examined at some length, this is not a course in biological theory, nor does it presuppose technical acquaintance with either biology or philosophy on the part of the student. *Major.*

PROFESSOR HOLLANDS.

ECONOMICS.

1. PRINCIPLES OF ECONOMICS: Following a brief introductory account of the evolution of industrial society, the course will deal with the conditions and principles underlying the consumption, production and distribution of wealth. Such questions as the organization of business, money and banking, transportation, international trade and the tariff, labor prob-

lems, governmental regulation of industry, socialism and taxation, will receive as full a consideration as time may permit.
Major. PROFESSOR PUTNAM.

HISTORY.

1. EUROPE IN THE NINETEENTH CENTURY: The political, social and diplomatic history of the leading European states since the Congress of Vienna, 1815, will be traced, and the establishment of present European constitutions accounted for. Constant attention will be given to current problems of European and world politics. A text will be used, with lectures and recommendations for supplemental reading in general historical and biographical works, newspapers and periodicals. *Major.* PROFESSOR RANDALL.

NATURE STUDY.

1. NATURE STUDY: A study of common plants and animals; identification of trees; field study of birds; life history of insects; preparation of aquaria. Hodge's Nature Study and Life will be used. The exact amount of college credit given is dependent in part upon the amount of field and laboratory work done. Lecture, laboratory and field work. *Major.* MISS ROUSSEAU McCLELLAN.

MUSIC.

MR. EDWARD B. BIRGE.

MUSICAL LITERATURE AND HARMONY: A practical course in chord classification, ear-training and musical appreciation. While of special interest to teachers in the public schools, the course is open to others. *Major.* MR. EDWARD B. BIRGE.

COMMENCEMENT RECORD

1911.

DEGREES CONFERRED.

Bachelor of Arts.

BARR, MARGARET ANN.	LINTON, ERNEST MARSHALL.
DEWALD, EVA MARGARET.	LEITCH, ANDREW.
DUDEN, MARGARET KAROLA.	MARTINDALE, HARRY HOWARD.
FRICK, FLORA MARGARET.	MOFFETT, GEORGE LEE.
GRAHAM, HOPE WHITCOMB.	MOORE, AUBREY HARRELL.
HECKER, SIDNEY ERNESTINE.	MOOREHEAD, MILDRED GORDON.
HENDRICKSON, RUTH ELIZABETH.	PRUITT, GERTRUDE MARTHA.
HINMAN, JACK JONES, JR.	REED, NELL PRISCILLA.
HOLLADAY, CLARA ELNORA.	ROBERTS, ESTALL ALONZO.
JACKSON, JOSEPH HAYES.	RUSSELL, MAUDE MURIEL.
JOPLIN, HATTIE SEARLE.	SCHMID, HERBERT WILLIAM.
KEACH, BENJAMIN HARRISON.	THARP, HAROLD BLAND.
KINGSBURY, LAYMAN DWIGHT.	

Master of Arts.

BURKHARDT, JOHN WESLEY.
LEE, CHARLES OTIS.
RUSSELL, MAUD MURIEL.

PRIZES AWARDED.

Winners of Addison C. Harris Medals—

*First Place in Oratorical Contest—*FRED E. SCHORTEMEIER.

*Debating Teams—*FRED E. SCHORTEMEIER, CLARENCE REIDENBACH,
RALPH BATTON, ERNEST M. LINTON, CLIFFORD H. BROWDER,
DONALD MELLETT.

*Senior Scholarship—*FRED E. SCHORTEMEIER.

CATALOG OF STUDENTS

ANNUAL SESSION ENDING JUNE 20, 1912.

GRADUATE STUDENTS.

CLIFFORD, EDWARD H.....	Indianapolis.
COWDREY, ANNA BELL.....	Fort Madison, Iowa.
LEITCH, ANDREW	Danville.
MARTINDALE, HARRY H.....	Indianapolis.
PAUL, JESSIE M. (MRS. CHARLES T.).....	Indianapolis.
RUSSELL, MAUDE MURIEL.....	Indianapolis.

UNDERGRADUATE STUDENTS.

ALSTON, FAUSTINA DOROTHY.....	Hamilton, Ohio.
APPLEGATE, ALBERT O.	Indianapolis.
ARBAUGH, RUTH.	Indianapolis.
ARMSTRONG, ROBERT.....	Indianapolis.
ARNOLD, RALPH N.	Greenfield.
ATHERTON, ALBERT	Cumberland.
ATHERTON, RUSSELL.....	Cumberland.
AYRES, VIDA ELLANOR.....	Indianapolis.
AXTEL, ROBERT D.	Indianapolis.
BACHMAN, IRMA	Indianapolis.
BADGER, EVERETT H.	Indianapolis.
BAILEY, MAXWELL VORHIS.....	Southport.
BAIRD, MONT K.	Southport.
BAKER, ENOS H.	Indianapolis.
BARBRE, WILLIAM THOMAS	Rockville.
BARMFUHRER, ALTA	Indianapolis.
BARR, BETH	Indianapolis.
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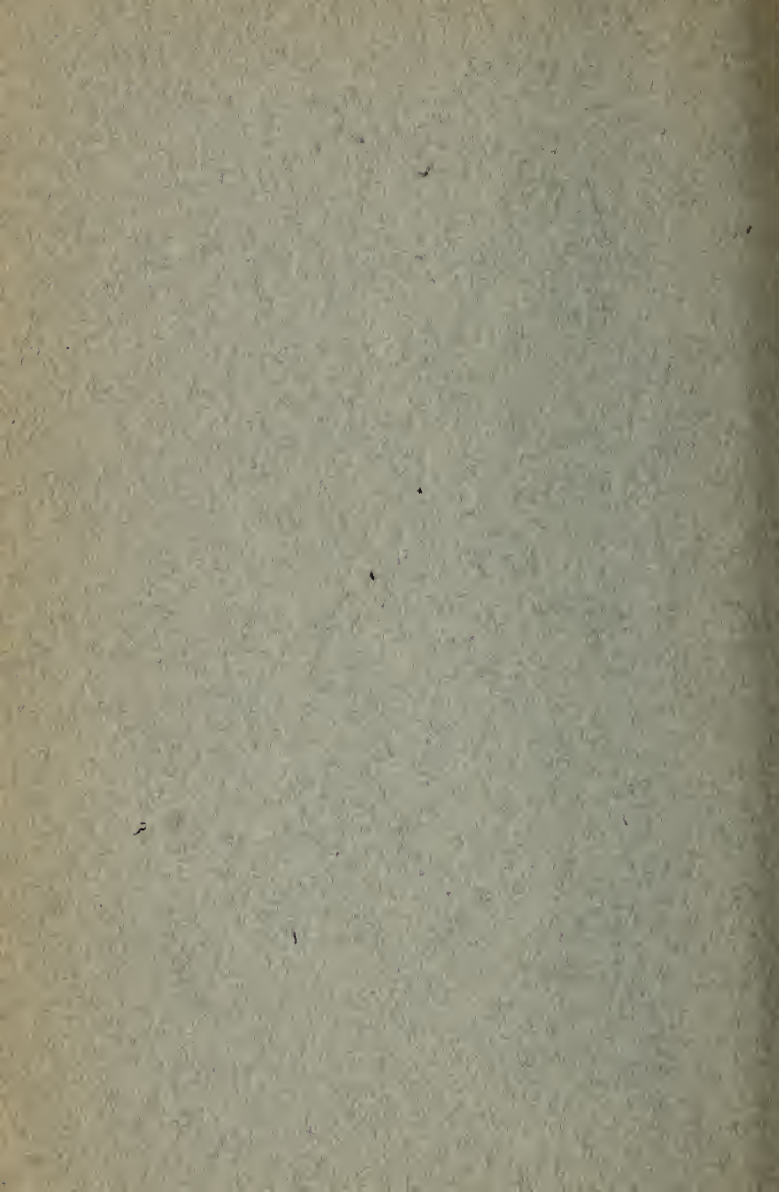
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ANNUAL CATALOG FOR 1912-'13
ANNOUNCEMENTS FOR 1913-'14



THE
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FOR THE FIFTY-EIGHTH SESSION

1912-1913

WITH ANNOUNCEMENTS FOR 1913-1914

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COLLEGE CALENDAR

SUMMER TERM, 1913

June 23..... Monday..... Registration.
 June 24..... Tuesday..... Instruction Begins.
 Aug. 1, 2..... Friday, Saturday..... Examinations and Close of Summer Term.

FIRST SEMESTER

Sept. 17, 18..... Wednesday, Thursday... Registration.
 Sept. 19..... Friday..... Instruction Begins.
 Nov. 27..... Thursday..... Thanksgiving Holiday.
 Dec. 20..... Saturday, 4 P. M..... Christmas Vacation Begins.
 Jan. 2, 1914..... Friday, 8 A. M..... Christmas Vacation Ends.
 Jan. 24, 26, 27, 28, 29... Sat., Mon., Tues., Wed., Thurs... Examinations.

SECOND SEMESTER

Feb. 4, 5..... Wednesday, Thursday... Registration.
 Feb. 6..... Friday..... Instruction Begins.
 Feb. 7..... Saturday..... Founder's Day.
 April 9..... Thursday, 4 P. M..... Easter Vacation Begins.
 April 14..... Tuesday, 8 A. M..... Easter Vacation Ends.
 May 25..... Monday..... Normal Course for Teachers Begins.
 June 4, 5, 6, 8, 9... Thurs., Fri., Sat., Mon., Tues... Examinations.
 June 10..... Wednesday..... Alumni Reunion and Class Day.
 June 11..... Thursday..... Fifty-ninth Annual Commencement.

SUMMER TERM, 1914

June 15..... Monday..... Registration.
 June 16..... Tuesday..... Instruction Begins.
 August 14, 15..... Friday, Saturday..... Examinations and Close of Summer Term.

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A. B., Northwestern Christian University, 1868; A. M., *ibid.*, 1870; Student Classical Philology, University of Halle, and University of Berlin, 1873-'75; LL. D., Butler College, 1896; Instructor in Latin and Mathematics, Indiana University, 1869-'72; Professor of Latin, Butler College, 1871-1907; President, Butler College, 1891-1904; 1906-'07.

HENRY LANE BRUNER, Ph. D., Professor of Biology and Geology. (360 South Ritter Avenue.)

A. B., Abingdon College, 1880; Student Sheffield Scientific School, Yale College, 1880-'81; Assistant in Marine Investigations of U. S. Commission of Fish and Fisheries, 1881-'84; Student of Comparative Anatomy, University of Freiburg, Baden, 1895-'97; Ph. D., *ibid.*, 1896; George Leib Harrison Research Fellow in Zoology, University of Pennsylvania, 1910-'11; Professor of Natural Sciences, Abingdon College, 1881-'84; Professor of Natural Sciences, Eureka College, 1884-'86; Professor of Biology and Geology, Drake University, 1891-'92; *idem*, Butler College, 1892- —.

JABEZ HALL, A. M., Professor of Homiletics and Theology. (28 South Irvington Avenue.)

- A. B., Bethany College, 1865; A. M., Butler College, 1898; Pastor Christian Church, Wheeling, West Virginia, 1866-'72; Cleveland, Ohio, 1872-'89; Richmond, Virginia, 1889-'97; Professor of Homiletics and Theology, Butler College, 1897- —.

CHRISTOPHER BUSH COLEMAN, A. B., B. D., Professor of History. (33 Downey Avenue.)

A. B., Yale University, 1896; Auburn Theological Seminary, 1896-'97; Chicago Theological Seminary, 1897-'98; Divinity School, The University of Chicago,

1898-'99; B. D., *ibid.*, 1899; Student, University of Berlin, 1904-'05; Student, Columbia University, 1911-'12; Professor of Church History and Acting Professor of History, Butler College, 1900-'09; Professor of History, *ibid.*, 1909- —.

ELIJAH NEWTON JOHNSON, A. M., M. S., Professor of Mathematics. (304 Downey Avenue.)

A. B., Drake University, 1893; A. M., *ibid.*, 1895; M. S. University, of Kansas, 1904; Professor of Mathematics, Campbell University, 1893-1903; Graduate Student in Mathematics and Astronomy, The University of Chicago, 1902-'03; Graduate Student in Mathematics and Physics, University of Kansas, 1903-'04; Graduate Student in Mathematics and Astronomy, The University of Chicago, 1905; Acting Professor of Mathematics, Butler College, 1904-'09; Professor of Mathematics, *ibid.*, 1909- —.

JOHN SAMUEL KENYON, Ph. D., Professor of English. (5339 University Avenue.)

A. B., Hiram College, 1898; A. M., The University of Chicago, 1903; Fellow in English, *ibid.*, 1903-'04; University Scholar, Harvard University, 1905-'06; Thayer Scholar, *ibid.*, 1906-'07; Teacher, Public Schools, Medina, Ohio, 1892-'93; Teacher of Greek, Latin and English, West Kentucky College, 1898-'99; Professor of Greek and Hebrew, Christian University, Canton, Missouri, 1899-1901; Assistant in English, Harvard University, 1905-'06; Ph. D., *ibid.*, 1908; Lecturer in English Language and Literature, Summer School, The University of Wooster, 1910 and 1911; Professor of English, Butler College, 1906- —.

CATHARINE MERRILL GRAYDON, A. M., Catharine Merrill Professor of English Literature. (303 Downey Avenue.)

A. B., Butler College, 1878; A. M., Indiana University, 1883; Instructor, Indiana University, 1883-'84; Graduate Student, Radcliffe, 1885-'86; Professor of Greek, Hastings, Nebraska, College, 1888-'91; Instructor, High School, Oakland, California, 1891-'98; Graduate Student, The University of Chicago, 1898-'99; Professor of English, Oahu College, Honolulu, 1900-'07; Acting Professor of Greek, Butler College, 1907-'09; Catharine Merrill Professor of English Literature, *ibid.*, 1909- —.

JAMES WILLIAM PUTNAM, Ph. D., Professor of Economics and Political Science. (40 South Ritter Avenue.)

Ph. B., Illinois College, 1894; Graduate Student, The University of Chicago, 1895, and Summer Quarters, 1897, 1900, 1901 and 1903; Instructor in History and Political Science, Illinois College, 1894-'98; Assistant Professor (in charge) of History and Economics, *ibid.*, 1898-1903; Fellow, Cornell University, 1902-'03; A. M., *ibid.*, 1903; Assistant and Graduate Student, University of Wisconsin, 1903-'04; Ph. D., *ibid.*, 1909; Instructor in Economics and Sociology, Northwestern University, 1904-'06; Instructor in Economics, University of Missouri, 1906-'09; Professor of Economics and Political Science, Butler College, 1909- —.

GEORGE HENRY DANTON, Ph. D., Armstrong Professor of Germanic Languages. (21 South Irvington Avenue.)

A. B., Columbia University, 1902; Assistant in Comparative Literature, *ibid.*, 1902-'03; Austin Teaching Fellow in German, Harvard University, 1903-'04; Ottendorfer Fellow (New York University) Student, Berlin and Munich, 1904-'05; Ph. D., Columbia University, 1907; Instructor in German, College for

Women, Western Reserve University, 1905-'07; Acting Assistant Professor of German, Leland Stanford, Jr., University, 1907-'10; Armstrong Professor of Germanic Languages, Butler College, 1910- —.

EDMUND HOWARD HOLLANDS, Ph. D., Professor of Philosophy. (5326 University Avenue.)

Ph. B., Cornell University, 1899; Graduate Scholar, Sage School of Philosophy, Cornell University, 1900-'01; A. M., *ibid.*, 1901; Instructor in Latin and German, Wilson School for Boys, Fishkill-on-Hudson, 1901-'03; Graduate Student and Sage Fellow in Philosophy, Cornell University, 1903-'05; Ph. D., *ibid.*, 1905; Instructor in Philosophy, Sage School of Philosophy, 1905-'06; Instructor in Philosophy, Princeton University, 1906-'07; Instructor in Philosophy, Cornell University, 1907-'09; Assistant Professor of Philosophy, Hamilton College, 1909-'10; Professor of Philosophy and Education, Butler College, 1910- —.

HENRY MILLS GELSTON, A. B., Professor of Latin Language and Literature. (325 Burgess Avenue.)

A. B., University of Michigan, 1900; Student, American School of Classical Studies, Rome, 1900-'01; Teacher of Latin, High School, Bay City, Michigan, 1901-'06; Graduate Student of Classics, University of Michigan, 1906-'10; Acting Professor of Latin Language and Literature, Butler College, 1910-'11; Professor of Latin Language and Literature, *ibid.*, 1911- —.

WILLIAM CHARLES MORRO, Ph. D., Reeves Memorial Professor, Head of the Department of Ministerial Education. (59 North Irvington Avenue.)

A. B., Transylvania University, 1898; A. M., *ibid.*, 1903; B. D., Yale University, 1904; Ph. D., Harvard University, 1906; Williams Fellow, Harvard University, 1905-'06; Professor of Christian History and Doctrine, College of the Bible, Lexington, Kentucky, 1906-'11; Dean, *ibid.*, 1910-'11; Reeves Memorial Professor, Head of the Department of Ministerial Education, Butler College, 1911- —.

JAMES BROWN, Ph. D., Professor of Chemistry. (5372 East Washington Street.)

A. B., Yale University, 1902; A. M., *ibid.*, 1903; Ph. D., *ibid.*, 1905; Assistant Instructor in Chemistry, Yale University, 1903-'05; Professor of Chemistry and Physics, Illinois College, 1905-'08; Professor of Chemistry and Physics, William and Vashti College, 1908-'11; Graduate Student, University of Chicago, Summer Quarters, 1906, 1908-'11; Professor of Chemistry, Butler College, 1911- —.

CHARLES EUGENE UNDERWOOD, Ph. D., Professor of Old Testament Language and Literature.

A. B., Butler College, 1903; A. M., *ibid.*, 1904; A. M., Yale University, 1910; Ph. D., *ibid.*, 1912; Pastor, Summitville, Indiana, 1904-'05; Pastor, Fourth Christian Church, Indianapolis, 1906-'07; Graduate Student, Yale University, 1907-'10; Director Religious Education, City of New Haven, 1907-'08; Acting Professor Old Testament Language, Literature and Interpretation, Bible College of Missouri, 1910-'11; Professor New Testament Language, Literature and Interpretation, *ibid.*, 1911-'12; President of Eureka College, Professor of New Testament Language and Literature, Eureka College, 1912-'13; Professor of Old Testament Language and Literature, Butler College, 1913- —.

MARK HARVEY LIDDELL, A. M., Acting Professor of English Literature. (21 Whittier Place.)

A. B., Princeton University, 1887; University Fellow in English, Princeton, 1888-'89; A. M., Princeton, 1889; Latin Master, Lawrenceville School, 1891-'93; Studied English at Oxford University, 1893-'94; at University of Berlin, 1894-'95; at Oxford University, 1895-'96; Professor of English and Head of the English Department, University of Texas, 1897-1900; since then engaged in editing *The Elizabethan Shakespere*; Acting Professor of English Literature, Butler College, 1912.

EDWARD MARTIN GREENE, A. M., Assistant Professor of Romance Languages. (5748 East Michigan Street.)

A. B., Harvard University, 1903; Student at Rouen, France, 1896-'97; Instructor in German, High School, Watertown, Massachusetts, 1903-'05; Head of the French Department, Cheshire School, Cheshire, Connecticut, 1905-'07; Head of the French Department, Hotchkiss School, Lakeville, Connecticut, 1907-'09; Teaching Fellow in French, University of Wisconsin, 1909-'10; A. M., *ibid.*, 1910; Assistant Professor of Romance Languages, Butler College, 1910- —.

CHARLES THOMAS PAUL, A. M., President, Professor of Missionary History and Linguistics. (5448 University Avenue.)

A. B., Hiram College, 1901; Graduate Student in Philosophy and Romance Languages, Western Reserve University, 1902; A. M., Hiram College, 1902; Professor of Modern Languages, Hiram College, 1900-'05; Professor of English, Christian College (The University of Nanking), Nanking, China, 1905-'06; Professor of Modern Languages and Director Department of Missionary Service, Hiram College, 1906-'10; President, College of Missions, 1910- —.

HARRY CLARK HURD, A. M., M. D., Professor of Anthropology and Missionary Science. (5446 University Avenue.)

A. B., Hiram College, 1899; M. D., Miami Medical College, University of Cincinnati, 1902; A. M., Hiram College, 1912; Assistant Professor, Department of Missionary Service, Hiram College, 1909-'11; Professor of Anthropology and Missionary Science, College of Missions, 1911- —.

FRED ELMORE LUMLEY, B. D., Ph. D., Professor of Sociology. (5442 University Avenue.)

A. B., Hiram College, 1905; A. M., McMaster University, Toronto, Canada, 1907; B. D., Yale Divinity School, 1909; Ph. D., Yale University, 1912; Principal Sinclair College, St. Thomas, Ontario, 1906-'08; Assistant in Anthropology, Yale University, 1909-'12; Honorary University Fellow, Yale University, 1910-'12; Professor of Social Science, College of Missions, 1912- —.

JOHN GRAFTON McGAVRAN, A. M., Professor of Comparative Religion and Indian Languages. (5440 University Avenue.)

A. B., Bethany College, 1891; Missionary to India, 1891-1910; Examiner in Hindi Language, 1907-'10; A. M., University of Michigan, 1911; Professor of Comparative Religion and Indian Languages, College of Missions, 1913- —.

CORNELIA ALLEN-FORREST, A. M., Instructor in English. (30 Audubon Place.)

Ph. B., Hiram College, 1892; Graduate Student in English, Buchtel College, 1893-'94; Graduate Student in English, Philosophy and History, The Uni-

versity of Chicago, 1894-'96; A. M., Hiram College, 1897; Teacher, Akron, Ohio, Public Schools, 1892-'93; Instructor in English and History, Lockland, Ohio, High School, 1897-1900; Principal, *ibid.*, 1900-'01; Instructor in English and History, Butler College, 1901-'07; Instructor in English, *ibid.*, 1907-—.

ANNA FRANCES WEAVER, A. M., Instructor in Greek and German.

A. B., Leland Stanford, Jr., University, 1898; A. M., *ibid.*, 1899; Student, Universities of Leipzig and Zurich, 1899-'01; Fellow and Instructor, Leland Stanford, Jr., University, 1902-'03; Principal, Private School, Logansport, Indiana, 1903-'06; Joint Principal, Girls' Classical School, 1906-'10; Instructor in Greek and German, Butler College, 1910-—.

EVELYN BUTLER, A. B., Instructor in English. (Butler College Residence.)

A. B., Butler College, 1893; Graduate Student, University of Chicago; Graduate Student, University of Wisconsin; Instructor in Butler College Preparatory Department, 1895-1900; Teacher of English, Anderson High School, 1900-'02; Teacher of English, Portland, Oregon, High School, 1902-'04; Head of English Department, Lewiston, Idaho, High School, 1904-'08; Head of English Department, New Mexico State Normal School, 1909-'12; Instructor in English and Head of College Residence, Butler College, 1912-—.

JOHN RALPH KUEBLER, A. B., Instructor in Physics and Assistant in Chemistry. (27 North Hawthorne Lane.)

A. B., Indiana University, 1912; Graduate Student, *ibid.*, Summer 1912; Instructor in Physics and Assistant in Chemistry, Butler College, 1912-—.

HARVEY B. STOUT, JR., LL. B., Instructor in Forensics.

LL. B., Indiana Law School, 1907; Special Student in Forensics, University of Michigan, Summer 1907; Professor of English and Forensics, McMinnville College, Oregon, 1907-'08; Professor of Forensics, Dallas College, Oregon, 1908-'09; Lecturer on Legal Forensics, American Central Law School, 1909-—; Instructor in Forensics, Butler College, 1909-—.

MYRTLE LEWELLYN TAYLOR, Instructor in Art. (1627 Park Avenue.)

Assistant Indianapolis High School, 1893-'94; Special Drawing Teacher, Graded Schools, Indianapolis, 1895-'96; Principal of Art Department, Greenville College, 1897-'99; Butler College, 1900-—.

CARL BROSIUS SPUTH, M. D., Director of Physical Training. (4311 East Michigan Street.)

Graduate Student, Normal College of N. A. G. U., 1904; M. D., Indiana University, 1912; Supervisor of Physical Training, Public Schools, Leadville, Colorado, 1904-'06; Director of Social Turnverein, Indianapolis, 1906-'10; Instructor, Butler College, 1906-'07; Instructor, Normal College of N. A. G. U., 1907-'10; Director of Physical Training, Butler College, 1909-—.

CHARLOTTE FERGUSON, Librarian.

Officers of the Faculty.

THOMAS C. HOWE.....	President
JAMES W. PUTNAM.....	Registrar and Secretary
JOHN S. KENYON.....	Examiner
ELIJAH N. JOHNSON.....	Adviser
HENRY L. BRUNER.....	Curator of Museum
SARAH E. COTTON	Assistant to the President

Faculty Committees.

Graduate Studies.

PROFESSORS COLEMAN, BRUNER, HALL, HOLLANDS, MORRO.

Debate and Oratory.

PROFESSORS KENYON, COLEMAN, PUTNAM.

College Paper.

PROFESSORS HOLLANDS, BRUNER, DANTON.

Athletics.

PROFESSORS JOHNSON, GELSTON, LOUIS J. MORGAN, Alumni Member.

Class Standing.

PROFESSORS GELSON, GREENE.

Chapel, Exercises and Religious Associations.

PROFESSORS PUTNAM, MORRO AND MRS. CORNELIA ALLEN-FORREST.

Student Affairs.

PRESIDENT AND PROFESSORS KENYON, PUTNAM
AND MISS KATHARINE GRAYDON.

Library.

PROFESSORS COLEMAN, KENYON, ASSISTANT PROFESSOR GREENE.

Auditing.

PROFESSORS JOHNSON, GELSTON AND SECRETARY BUTLER, *ex officio*.

Special Studies.

PRESIDENT, REGISTRAR, EXAMINER AND ADVISER.

Schedule.

PROFESSORS JOHNSON, DANTON, GELSTON.

HISTORICAL SKETCH

Butler College operates under a special charter granted by the Indiana Legislature in 1849. This charter is ample for university purposes, as will be seen from the following clause defining the purposes and scope of the institution:

"The objects and purposes contemplated by this act of incorporation are hereby declared to be, to establish, found and build up, maintain, sustain and perpetuate at or in the vicinity of Indianapolis, in the State of Indiana, an institution of learning of the highest class, for the education of the youth of all parts of the United States, and especially the States of the Northwest; to establish in said institution departments or colleges for the instruction of the students in every branch of liberal and professional education; to educate and prepare suitable teachers for the common schools of the country; to teach and inculcate the Christian faith and Christian morality as taught in the Sacred Scriptures, discarding as uninspired and without authority all writings, formulas, creeds and articles of faith subsequent thereto; and for the promotion of the sciences and arts."

This charter went into effect January 15, 1850. Funds were subscribed by members of the Christian churches and citizens of Indiana, and the College opened its doors November 1, 1855, in the old Northwestern Christian University buildings in what is now College avenue, the City of Indianapolis. The College of Liberal Arts, opened at that time, has had an uninterrupted existence, and from time to time the institution, either through affiliation or by act of its own directors, has conducted professional schools and carried on university work. At the present time the directors have thought best to concentrate their efforts on the School of Liberal Arts, and at the same time, by husbanding resources and collecting additional funds, to prepare to add departments, as circumstances may warrant.

The general control of the institution's affairs is vested in a self-

perpetuating Board of twenty-one Directors. In 1873 the Board determined to remove to Irvington. It was felt that a suburb, withdrawn somewhat from the distractions of the city, and yet enjoying all the advantages of the capital city, would afford a more desirable place of residence for students. In 1875 instruction of the College classes was begun in the new location.

The name of the institution was changed from Northwestern Christian University to Butler University, February 28, 1877, in recognition of the benefactions of Ovid Butler. This change did not affect any chartered obligations of the corporation in respect to the property or graduates, or its purposes, all of which have been determined by a legislative act and the recorded resolutions of the Board of Directors.

By resolution of the Board of Directors April 8, 1896, the name "Butler College" was adopted in lieu of "Butler University," to designate the undergraduate academic department, which is the only part of the comprehensive plan outlined in the charter that has as yet been realized. The legal name of the corporation, however, remains unchanged.

At the triennial election of Directors, June 17, 1899, the stockholders voted to make the newly elected Board of Directors self-perpetuating. This action was taken under a statute enacted by the General Assembly of Indiana in its session of 1909. By the provisions of the same statute the College was enabled to proceed to retire the stock of the corporation on the consent of two-thirds of all outstanding stock. More than two-thirds of the outstanding stock of the institution having subscribed to this agreement, the Directors are now authorized to take this action and are receiving stock assignments for this purpose.

Present Financial Condition. Another forward step has recently been taken by the Board of Directors, who, realizing the increasing needs of the institution, have been able to secure an additional endowment of \$250,000. This was made possible through the generosity of Joseph I. Irwin, a director of the corporation, who offered \$100,000 provided a total of \$250,000 was secured. Mr. Andrew Carnegie offered the last \$25,000 necessary to secure this endow-

ment. Mr. Marshall T. Reeves, a director, subscribed \$30,000, and Mr. Charles T. Whitsett gave property netting the College \$12,500 toward the fund, which was completed March 25, 1907, by an energetic effort made by the alumni, citizens of Indianapolis, students in attendance and other friends of the institution. The directors propose to use all funds at their command to increase the efficiency of the courses of study offered, and to make such additions thereto as may be possible.

The property of the corporation is therefore in a very satisfactory shape. Its endowment has always been kept well invested, yielding an assured income. The affairs of the corporation are in the hands of a Board of Directors devoted to its interests, wise and conservative in all their views, and thorough and prudent in the administration of the trust committed to them. The demands made upon an institution of learning at the present day are greater than ever before. The College is yet insufficiently endowed to meet these demands, and it is hoped that the generous spirit which created and has hitherto sustained it will prompt further provision for its development.

Memorial Gifts.

The Board of Directors would encourage gifts in the form of endowments of various chairs of instruction, which will perpetually bear the name of the donor, or of the one in whose memory it is established. In this way the following professorships have been established:

1. The Jeremy Anderson Chair of Greek.
2. The Demia Butler Chair of English Literature,
3. The Armstrong Chair of Germanic Languages, endowed by Mr. and Mrs. Addison F. Armstrong, of Kokomo, Indiana.
4. The Catharine Merrill Chair of English Literature, a gift made to the College by grateful students and friends as a memorial to Miss Catharine Merrill, once the honored and beloved Professor of English in Butler College.
5. The Reeves Chair of Biblical Literature, endowed by Mr. Marshall T. Reeves, of Columbus, Indiana, as a memorial to his father and mother.

Smaller amounts can be devoted to equally useful purposes. Subscriptions of \$1,000 to \$5,000 can be devoted to the founding of

scholarships for the benefit of deserving young people who stand in need of assistance, and of prizes for the reward and encouragement of the ambitious, or to library endowments for particular departments.

Training of Teachers. By action of the State Board of Education, Butler College has been "accredited" under the school laws of 1907 for all classes fixed by the statute, i. e., A, B, C.

Religious Influence. The purpose of the founders, expressed in their act of incorporation, was to establish an institution of learning which would "teach and inculcate the Christian faith and Christian morality as taught in the sacred Scriptures." A course of study in the English Bible is offered to all candidates for a degree. All students are required to attend the regular chapel exercises. The institution has always been religious in spirit; by the terms of its charter it must always be so.

STUDENT ACTIVITIES

Christian Associations. The Young Men's Christian Association and the Young Women's Christian Association are voluntary organizations of students and instructors for the promotion of religious culture and for Christian work in College. Their members are sincere and energetic, and always extend to new students a very cordial welcome. The two associations hold prayer meetings every week, thus greatly assisting in maintaining Christian zeal among the students. A committee from each of these associations is in attendance during the first week of the Fall term for the purpose of assisting those entering college with information in regard to rooms, etc., and in general to afford any assistance in their power, which students who are strangers in Irvington may feel inclined to seek from them. The Y. M. C. A. and the Y. W. C. A. unite in a social given at the beginning of each term, to which all students are invited. This affords opportunity for old students to welcome new, and for all to cultivate more intimate acquaintance. All students who are church members are eligible to active membership in these associations. Students not identified with any church may become associate members.

College Paper. A weekly paper, called "The Butler Collegian," is published in the interest of the students of Butler College, to give the College news and to reflect student opinion. It is edited by representatives of the various College classes. Students and graduates are cordially invited to contribute illustrations, articles, verses, letters and information.

Debates. It is customary for the College to participate in an intercollegiate debate each year. The College desires thus to foster the interests of debating by discussing in public leading questions of the day. In the year 1912-'13 debates were held between Albion College and Butler College, and between Earlham College and Butler College.

Oratorical Contests. Seven colleges, of which this institution is one, compose the Indiana State Oratorical Association. The local association is composed of members of the College classes. The object of this association is to advance oratory by encouraging students to write and deliver orations. Preliminary contests are held annually to decide upon a representative for the State contests. Contestants are judged on thought, composition and delivery. The contestant receiving the highest average award by the judges represents the College at the State contest. The successful contestant in the State contest represents the State of Indiana in the Interstate contest, composed of ten Western States.

Literary Society. The Philokurian Literary Society, organized in 1876, holds weekly meetings in its hall at the College. Its membership was originally confined to young men, but later young women have also been admitted. The society is in a prosperous condition.

The Lotus Club. This is an association whose object is bringing together socially the young women in College, thus encouraging friendly intercourse among them. The club is governed by an executive board, elected at the end of each year.

The Butler Union. This is an association of the men of the College. The purpose of the organization is to promote acquaintance and friendship among the men and to foster the interests of the College.

The Sandwich Club. The young men of the College interested in religious work are associated in an organization styled as above. Social meetings are held fortnightly, when luncheon is served, business attended to, and a prepared program rendered. Prominent religious leaders are often present at these meetings to address students on the various phases of church work.

Dramatic Club. The Dramatic Club, for men and women, has for its purpose the promotion of college dramatics.

The Press Club. This is an organization for the study of journalism, and with the added purpose of bringing together in bi-weekly meetings the newspaper men of the College. At these meetings, prominent newspaper men of the State speak. The Press Club is affiliated with the Indiana Intercollegiate Press Association, the annual convention of which will be held under the auspices of the Butler Press Club in November, 1913.

Athletics. Various forms of athletics common in colleges are carried on at Butler College under the supervision of well-trained directors. The purpose is to give proper physical training to as large a proportion of the student body as possible, to enliven the college life with wholesale recreation, and to develop those manly qualities which are brought out in a good game well and fairly played. Baseball, football, basketball and track teams are supported by the Athletic Association. There is a board of control composed of two members of the faculty, one alumni member and two students.

Irwin Field, adjoining the campus, affords facilities for all outdoor games.

Regular gymnastic work in the gymnasium is required of all students in the two lower classes, and is directed by a competent instructor. The campus is well equipped with tennis courts, to which students have access.

Intercollegiate Contests. No student is eligible to represent the College in any contest, (a) who is not carrying at least 10 hours during the semester in which said contest occurs; (b) who has failed to secure credits in at least 10 hours during the preceding semester (this is not to exclude new students); (c) who fails to do his work during the current semester to the satisfaction of his instructors; (d) who enters College later than the fourth week of the semester; (e) who matriculates as a special student, until he has been a student in Butler College at least one semester.

LOCATION AND BUILDINGS

Location. Indianapolis is not only the capital of the State, but its intellectual, literary, commercial and geographical center. Railroads radiating in every direction and the growing system of interurban electric cars make it the most easily accessible point in Indiana or any of the adjoining States. Indianapolis affords unique advantages as to location for a college. The best musical entertainments and the most noted lecturers are here brought within reach of the students. The College is located at Irvington, a pleasant and healthful residence suburb, reached by the East Washington street electric cars. Irvington is within the city limits of Indianapolis and is regarded as a most attractive place for suburban residence. Its population consists largely of those who have been drawn thither by educational inducements. This gives it a special character of cultivation and good order, while as a home for students it is singularly free from the temptations and dangers often surrounding college life. There are no drinking saloons in the vicinity.

Main College Building. The main College building is of brick, trimmed with stone, having a frontage of 135 feet and a depth of 75 feet, containing eighteen recitation rooms, besides the administrative offices, the College chapel, literary society and Y. M. C. A. halls, cloak and retiring rooms. It is heated throughout by steam, lighted by electricity, and in its internal finish and arrangements is well suited to the purposes for which it was designed.

Science Hall. The Science Hall is three stories high, constructed of brick and trimmed with stone. It has a frontage of 100 feet and a depth of 75 feet. It contains recitation rooms, the museum hall, and the chemical, physical and biological laboratories.

The museum contains abundant material for illustrating the sciences of Zoology, Mineralogy and Geology. Some of the materials

have been obtained by purchase, some have been contributed by friends of the institution and some by the National Museum, while a considerable portion has been collected by the professors who have occupied the chairs in this department. The museum contains the following collections:

1. A series of fossils and rocks illustrating the geology of the Mississippi Valley, especially that of Indiana and Ohio.

2. A collection of fresh water fishes of the United States, made principally by Drs. David Starr Jordan and O. P. Hay, when they were professors of Biology in Butler College.

3. A series of marine fishes from the United States National Museum.

4. Reptiles and amphibians of Indiana, collected by Dr. Hay and others.

5. A large collection of representative minerals.

6. Land, fresh water and marine shells, including about four thousand specimens.

7. A considerable number of aboriginal stone implements from the United States.

8. A collection of marine invertebrates, mainly from the New England coast, deposited by Professor Bruner.

9. Marine invertebrates from the Atlantic, Gulf and Pacific coasts, presented by the National Museum and the Fish Commission.

The biological laboratory is well equipped and has its own working library. Additions are being constantly made to the apparatus and equipment of these laboratories.

The chemical and physical laboratories are conveniently arranged and well equipped with ample apparatus.

Bona Thompson Memorial Library. The library building was erected during the year 1903, by the liberality of the late Mr. and Mrs. Edward C. Thompson, in memory of their daughter, Bona Thompson, who was a graduate of Butler in the class of 1907. The building is constructed of Bedford limestone and gray brick, and is of fireproof construction. The bookstack room, filled with steel stacks, has a capacity of 60,000 volumes. The College

Library at present contains about 13,000 volumes, chosen with special reference to the need of students, in addition to extensive files of valuable government reports and documents. Every year there are added by purchase the latest and best works in the several departments. The encyclopedias, lexicons and other works of reference are numerous, and represent the best and most modern scholarship.

By a special arrangement with the Indianapolis City Library Board, a free daily delivery of books from the city library to the College Library has been established, so that students now have free and convenient access to libraries aggregating not less than 175,000 volumes. In addition to this the State Library, containing 59,000 volumes and located in the State House, is open to students, who will find it valuable for special research.

The reading room receives regularly the best publications, weeklies, monthlies and quarterlies of this country and Europe. The advantages of the library and reading room are open alike to all classes of students in the College.

Astronomical Observatory. The astronomical observatory, located in the northwest corner of the campus, embodies in its construction the conveniences necessary for the efficient use of the equatorial telescope which it contains. The building has a revolving dome, with sliding panel giving unobstructed sky-view from horizon to zenith. The telescope is equatorially mounted, by Fauth & Co., of Washington, with the usual adjuncts of declination and hour circles, and clockwork for diurnal rotation. The object glass of six inches diameter was made by the firm of Alvin Clark & Sons, of Boston. The focal distance of the object glass is eight feet, and the magnifying power of the instrument ranges from seventy to five hundred diameters.

College Residence. This attractive and comfortable home for young woman students is a substantially constructed brick building, located on the campus in close proximity to the lecture halls and laboratories. It is heated by steam and lighted by electricity, and is equipped with modern conveniences. The

rooms contain all necessary furniture, but students provide their own bed linen, towels and toilet articles, and any decorations desired. The rooms are entirely cared for by maids. The dining-room service is directly under the control of the College, and all possible pains are taken to make the meals wholesome and attractive. The Head of the Residence has general oversight of the young women living there. The advantages of this home are offered to young women at lower rates than those at which approximately equal advantages may be obtained in private residences. The Residence is maintained solely for the accommodation of young women who, coming from a distance to attend the College, must find boarding places in Irvington; and all such are required to make their home there unless for some reason special permission to do otherwise is granted by the President; in all cases of assignment of young ladies to other homes than the Residence, the consent of the President must first be obtained. This rule admits of no exceptions.

For special circular showing plan of building and giving detailed information about rooms, address the Head of the Residence.

Gymnasium. The gymnasium building contains a main exercising hall thirty-five by fifty-eight feet, well ventilated and lighted, with double oak floor and high ceiling. There are a bathroom with hot and cold water, steel lockers, and necessary accommodations for the students who use the gymnasium and for the athletic teams. Certain hours are set apart for the use of the gymnasium by the young women.

The power house, containing the electric lighting plant and the furnaces and boilers by which all the College buildings are heated, is a part of the gymnasium building.

EXPENSES AND SELF-SUPPORT

The college year consists of two semesters of eighteen weeks each. The unit of instruction is the semester hour, which signifies one recitation a week throughout a semester, or an equivalent. The fees payable to the College on account of instruction, library and incidentals, exclusive of laboratory fees, are as follow: 7 to 16 hours, \$37.50; 6 hours or fewer, \$19.50 per semester. Students undertaking more than 16 hours will pay for each additional hour \$2.50. In addition the following extra charges are made: In the departments of Biology, Chemistry and Physics, laboratory fees, ranging from \$2.25 to \$6.00 per semester, to cover cost of materials used and ordinary wear on apparatus. Students are required to pay for apparatus broken or injured. For a special examination a fee of \$2.00 is charged. For each day's delay in registering after the day appointed (see College Calendar, page 3), a fee of \$1.00 is charged; the total, however, is not to exceed \$3.00. For a change of registration after a registration card has once been issued, a fee of \$1.00 is charged. For the Bachelor of Arts diploma a fee of \$5.00 is charged; for the Master of Arts diploma, \$10.00. Graduation fees must be paid before the conferral of degrees.

Bills must be paid at the beginning of each semester.

In case of absence of the student for half or more than half of a semester, one-half of the fee paid by him for that semester may be credited on a future semester.

Expenses of Residence. Following are estimates of yearly expenses for the session of thirty-six weeks:

	Lowest	Average	Liberal
Fees.....	\$ 75.00	\$ 75.00 (with Lab.)	\$ 84.00
Room.....	27.00	36.00	54.00
Board.....	72.00	126.00	126.00
Books.....	10.00	15.00	20.00
	<hr/> \$184.00	<hr/> \$252.00	<hr/> \$284.00

The above "average" and "liberal" estimates for board and room are based on the rates charged at the College Residence, where rooms may be obtained by young ladies at prices ranging from \$13.50 to \$27.00 per semester, and table board is furnished at \$63.00 per semester. Room rent at the Residence is payable in advance at the beginning of the semester, and no rebate is allowed if the room is vacated before the end of the semester. Board bills for the semester are payable in two installments in advance. No reduction is made for occasional absences.

Board and rooms may be obtained in private families at somewhat higher rates. Students who feel it necessary to curtail expenses as much as possible will find rooms to let at lower rates, with facilities for independent housekeeping, or opportunity for the formation of clubs.

Aid and Self-Support. While the College can not guarantee employment to students desiring to earn their way, its officers will gladly do all within their power to assist students in securing profitable employment. In a city of the size of Indianapolis there is always work to be done, and a student who is energetic, determined and self-reliant need have no fear about being able to earn enough to meet either part or all of his expenses.

Ministerial students will find here exceptional facilities for self-support, owing to the location of the College at the center from which railways and interurban electric lines radiate to all parts of the State, and the large number of churches within a convenient distance which depend upon student preaching. The College always has more calls for preachers than it can supply.

REGISTRATION AND ENTRANCE

Butler College offers its advantages to the following classes of students:

Regular College Students. (For requirements for admission and graduation, see pages 27-34.)

Special Students, not candidates for a degree. (See page 32.)

Ministerial Students, who may be either graduates or special students.

Graduate Students, who must have the baccalaureate degree from Butler College, or some institution of similar rank, and who may become candidates for the degree of Master of Arts or Master of Science. (See page 36.)

Art Students, who may be doing academic work also. (See Art Department.)

Students in the Extension Courses, who attend weekly classes held in a central location in Indianapolis, and who may or may not be candidates for a degree. (See Extension Courses.)

Normal Students, who are qualifying for the teaching profession under the State law.

Classification. Students are not classified on the records of the College except as above indicated. Their names are printed in the catalog in alphabetical order, excepting art students and students in the extension courses.

Registration. The office hours of members of the faculty on days appointed for registration (see College Calendar), are 9 to 12 a. m. and 2 to 4 p. m. Applicants in order to secure prompt attention should present themselves on the days and at the hours designated.

New students should send their credentials to the examiner at least three weeks before the opening of the semester. They will then receive, on the day of registration, statements of the credits granted. On presentation of these to the adviser, they will be assigned to their

classes. Old students will go at once to the adviser for assignment to classes.

The penalty for late registration is \$1.00 for each day's delay until the total shall amount to \$3.00. Each change of registration, unless necessitated by action of the faculty, is subject to a penalty of \$1.00.

REQUIREMENTS FOR ADMISSION

Preparation for admission to the Freshman class is expected to cover a period of four years in a good high school or academy. Admission credits are reckoned in units. A *unit* is the equivalent of a course of study extending through one full year of not less than thirty-two weeks, and occupying five periods of recitation per week. Two hours of laboratory work are regarded as equivalent to one hour of prepared work. No fractional units are credited except as here indicated. Fifteen units are required for entrance to Freshman class. Of this number $5\frac{1}{2}$ are definitely prescribed, 5 are to be chosen from certain specified groups, and $4\frac{1}{2}$ are elective.

Graduates of commissioned high schools in Indiana and of high schools of similar grade in other States are admitted to the Freshman class without examination, but such admission does not excuse them from making good any of the entrance requirements which are not covered by the high school credits. These high school credits are accepted only in the subjects and to the amounts named in Groups I-IV below. No high school graduate will be admitted who presents less than eleven units in the subjects named in these groups.

All other candidates for admission will receive from the examiner statements showing the maximum credits which may be granted. If these are sufficient to permit the student to enter, he may do so provisionally, receiving entrance credit for those subjects after the completion of 22 hours in a manner to satisfy the faculty that he is entitled to such entrance credit. The faculty, in the meantime, reserves the right to modify the first estimate of the amount of possible entrance credit.

Students who expect to enter without examination should present specific statements of the work that has been done—not simply diplomas from high schools or academies. *When preparatory work has been done in more than one school, separate certificates must be presented from each school, not simply from the last one attended.* Blanks

prepared for this purpose will be furnished on application. Certificates upon which entrance credits are to be granted must be signed by the principal of the school in which the work was done. They should contain detailed statements not only of the time spent in each subject—but also of the amount of work covered (*e. g.*, four books of Cæsar), including the time spent in laboratory work in science in addition to classroom work.

Required:

English.....	3	units
Mathematics.....	2½	units
Foreign Language (from Group I).....	3	units
History (from Group II).....	1	unit
Science (from Group III).....	1	unit

Elective:

From Groups I-IV.....	4½	units
Total.....	15	units

The required work in English (3 units) is equivalent to the usual three years of English, including composition, rhetoric and literature, as taught in good high schools. Candidates who present a fourth year of English may receive credit for it as an elective. (See Group IV below.)

The required work in Mathematics (2½ units, as above) includes algebra to quadratic equations (1 unit), quadratic equations (½ unit) and plane geometry (1 unit). Candidates who offer more than the minimum requirement in Mathematics may receive credit for it as an elective. (See Group IV.)

The groups from which the required work in foreign language, history and science must be chosen are as follow:

GROUP I.

Foreign Language.

Latin 1. Beginning course.....	1	unit
Latin 2. Cæsar, 4 books.....	1	unit
Latin 3. Cicero, 6 orations, or Cicero, 4 orations and Vergil, 2 books.....	1	unit

Latin 4.	Vergil, 5 books.....	1 unit
Latin 5.	Tacitus.....	$\frac{1}{2}$ unit
Latin 6.	Livy.....	$\frac{1}{2}$ unit
Greek 1.	Beginning course and Anabasis, Book I.....	1 unit
Greek 2.	Anabasis II-IV, with prose com- position, and Homer's Iliad, Books I-II.....	1 unit
Greek 3.	Plato, Herodotus, or equivalent authors.....	1 unit
German 1.	Beginning course.....	1 unit
German 2.	Second year.....	1 unit
German 3.	Third year.....	1 unit
French 1.	Beginning course.....	1 unit
French 2.	Second year.....	1 unit
French 3.	Third year.....	1 unit
Spanish 1.	Beginning course.....	1 unit

NOTE.—At least 3 units must be offered from this group, and at least 2 of these must be in one language. After 1 unit has been offered, half-units may be accepted. A fourth year of German or of French may be accepted if the quality of the work done appears to warrant it. Not more than $7\frac{1}{2}$ units of language will be accepted.

For every unit of language work accepted for entrance in excess of the minimum requirement of 3 units, the candidate will be excused from one year of the required language work in College.

GROUP II.

History and Civics.

General History.....	1 unit
Ancient History.....	$\frac{1}{2}$ or 1 unit
Medieval History.....	$\frac{1}{2}$ or 1 unit
Modern History.....	$\frac{1}{2}$ or 1 unit
English History.....	$\frac{1}{2}$ or 1 unit
United States History.....	$\frac{1}{2}$ or 1 unit
Civics.....	$\frac{1}{2}$ unit
Economics.....	$\frac{1}{2}$ unit

NOTE.—Credit will not be given for both General History and Ancient History. Credit will not be given for both Civics and Economics unless 1 unit of History is also offered. Credit will not be given for Civics taken in the grades below the high school. Not more than 3 units in all will be accepted from this group. If 2 units of History are offered, $\frac{1}{2}$ unit must be European History; if $2\frac{1}{2}$ units are offered, 1 unit must be European History.

GROUP III.

Natural Science.

Physics.....	1 unit
Chemistry.....	1 unit
Botany.....	$\frac{1}{2}$ or 1 unit
Zoology.....	$\frac{1}{2}$ or 1 unit
General Biology.....	1 unit
Physiology.....	$\frac{1}{2}$ unit
Physiography.....	$\frac{1}{2}$ unit
Geology.....	$\frac{1}{2}$ unit
Astronomy.....	$\frac{1}{2}$ unit

NOTE.—Not more than 4 units in all will be accepted from this group.

GROUP IV.

Unclassified.

English 4. (First half of fourth year High School English).....	$\frac{1}{2}$ unit
English 5. (Second half of fourth year High School English).....	$\frac{1}{2}$ unit
Mathematics 4. Solid Geometry.....	$\frac{1}{2}$ unit
Mathematics 5. Trigonometry.....	$\frac{1}{2}$ unit
Mathematics 6. College Algebra.....	$\frac{1}{2}$ unit
Commercial Geography.....	$\frac{1}{2}$ unit
Mechanical Drawing.....	$\frac{1}{2}$ or 1 unit
Free-hand Drawing.....	$\frac{1}{2}$ or 1 unit

NOTE.—None of the courses in this group is required for entrance, but they may be offered among the $4\frac{1}{2}$ units of electives which must be presented. Not more than 1 unit of Drawing will be accepted.

One unit of Drawing must represent ten periods per week throughout a year.

Conditioned Students. If a student is conditioned in any admission subjects, he must begin at once to make up his deficiencies, those in *required* subjects being taken first, and precedence being given at all times to those courses which may be offered in lieu of the deficiencies.

If the conditioned student is deficient in subjects in which instruction is offered by the College, he must elect from the courses offered by the College a sufficient number of courses which may be offered for entrance to make good the deficiency. In this case 6 hours of college work will be accepted as equivalent to 1 unit of preparatory work. If the conditioned student is deficient in subjects in which the College offers no instruction, such deficiencies may be made up under approved tutors or in a high school of Indianapolis. They must be made up within one year after matriculation in Butler.

Special Announcement. On account of the development of good high schools almost everywhere, the College has discontinued its preparatory department.

Advanced Standing. Students coming from high schools or other secondary schools and presenting credits in excess of those required for entrance may, in certain departments, secure college credit for the work by passing an examination on it within the year from the date of entrance to college. The following limitations will, however, be observed:

1. In no case will a preparatory unit be accepted for more than 6 hours of college work.
2. Where 3 units from Group II (History) have been presented for entrance, no college credit will be granted for additional work in that group.
3. Where 4 units from Group III (Science) have been presented for entrance, no college credit will be granted for additional work in that group.
4. No more than a total of 20 hours will in any case be credited on the basis of work in a high school or other secondary school.

5. Only in the following subjects may college credit be obtained, and to the maximum amount indicated in each case:

English.....	3 hours	Mathematics.....	3 hours
Latin.....	12 hours	Physics.....	6 hours
Greek.....	12 hours	Chemistry.....	6 hours
German.....	12 hours	Botany.....	6 hours
French.....	12 hours	History.....	6 hours
Spanish.....	6 hours		

Students coming from other colleges or universities may receive advanced standing upon presentation of officially signed statements of the work which they have done. These statements must include: (a) A statement of the work which was done in satisfaction of entrance requirements. This statement must come directly from the school where the preparatory work was done. (b) A statement certifying to the college credits that have been earned. Such statements should indicate the subjects studied, ground covered, number of weeks and number of hours of recitation per week. In case of students coming from colleges whose entrance requirements are less than those of Butler College, a sufficient number of college credits will be applied to make good the deficiency in preparatory credits.

To receive credit toward advanced standing, application must be made to the examiner at the time of matriculation, or earlier. It is desirable that candidates for advanced standing should forward their statements of work before presenting themselves for entrance. No student from another college will be admitted except upon presentation of a certificate of honorable dismissal.

Special Students. A person, not a candidate for a degree, may be admitted as a special student and allowed to pursue a special course of study under the following conditions:

1. He must be twenty-one years of age and must have received the permission of the professors whose courses he proposes to take and of the committee on special studies. A certificate of age must accompany the application for admission as a special student.

2. Only persons having a definite end in view will be accepted as

special students, and no applicant for a special course will be admitted unless urgent need of such course shall appear.

3. No regular student who fails in his work will be allowed to become a special student until he has made good his failures.

4. Special students are subject to the same regulations as regular students with regard to the amount and quality of work performed, and attendance at recitations and examinations. The faculty may at any time deprive any special student of his privileges if it appears that he is abusing or neglecting them.

REQUIREMENTS FOR GRADUATION

The plan of study offered to the student in the requirements for graduation is an attempt to combine the essentials of general culture, which is the prime object of the undergraduate college course, with an opportunity for development along the lines of the student's natural interest and preparation for university and professional study.

The normal length of time required for the college course is four years, but students who have the necessary ability and industry can complete it within three calendar years.

In addition to the entrance units (see pages 27 *seq.*), there are required for graduation 120 hours of class instruction and 8 hours of physical training. An hour signifies one recitation a week throughout a semester or an equivalent.

Where laboratory work is carried on, two to three hours in the laboratory are equivalent to one hour in the classroom.

Students, as a rule, will assume work to the total value of 15 or 16 hours each semester. No student may take fewer than 12 hours without the consent of the committee on special studies given on recommendation of the adviser. If a student's average grade for the semester next preceding shall have been as high as 80, he may take work to the aggregate value of 18 hours; if as high as 85, he may take 20 hours of work, but in no case may he take more than this amount during any one semester. For each additional hour above 16 a fee of \$2.50 is charged. These restrictions do not apply to courses in physical training. In any case, the courses chosen must not conflict in times of recitation, and all work, to receive credit, must be done in class.

The College confers two baccalaureate degrees, that of Bachelor of Arts and that of Bachelor of Science.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS.

1. REQUIRED SUBJECTS.—(a) Students offering the minimum (three entrance units) of language work (Group I) for entrance,

must elect 30 hours of foreign language in college. For every additional language unit offered for entrance, 10 hours may be deducted from the 30 required in college. Thus a student who presents four units of language for entrance will take 20 hours in college. One who presents five units will take 10 hours. One who presents six units is entirely relieved from the college language requirement. In any case, however, the total required work in foreign language for entrance and in college (six years' work in all) must not be divided between less than two or more than three languages, and must include at least three years' work in some one language.

(b) Students who present less than two units of physical science (Group III) for entrance, must elect 10 hours in a laboratory science not offered for admission.

At least 20 hours in the subjects thus required must be taken during the first year of residence, and the remainder during the second year. Students entering with advanced standing must begin at once to meet these requirements.

2. At least 30 hours must be taken in one department, or 40 hours in closely related departments. In the latter case, 20 hours must be taken in one department and the remainder in subjects approved by that department.

3. Not more than 40 hours may be taken in any one department. During the first two years, not more than 6 hours each semester may be taken in one department.

4. The following courses (unless taken to meet entrance requirements) will have the value of 3 hours each to students who are credited with 90 hours: Latin 1, 2; Greek 1, 2; German, 1, 2; French 1, 2; English 1, 2; Mathematics 1, 2.

In making his choice the student must observe any restrictions and prerequisites that may be attached to the particular courses he wishes to select. All courses must be selected in consultation with the adviser.

Any student coming from another institution is required to take at least the last 30 hours in residence at this College before receiving the degree.

Upon the satisfactory completion of the aggregate requirements as

here given, and the payment of the graduation fee (see page 23), the student is entitled to receive the degree of Bachelor of Arts.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE.

For the degree of Bachelor of Science, 60 hours must be offered in the natural sciences, mathematics being counted as a natural science. The student's major subject must be either a natural science or mathematics.

A minimum of six years of foreign language must be taken in the preparatory and college courses, of which at least two years must be in German and two in French. Candidates for this degree who offer three foreign languages will be required to offer only two years in each language.

In all other respects the candidate for the degree of Bachelor of Science must conform to the requirements for the degree of Bachelor of Arts.

Graduate Students. The College confers the degree of Master of Arts and Master of Science on applicants holding the corresponding baccalaureate degrees. In case the applicant's undergraduate work has been done at another college, he is required to show that such work is fully equivalent to that required for the baccalaureate degree at this College. Applicants who have not completed the necessary amount of work must make up their deficiencies by taking the required courses for which they do not present equivalents and elective courses sufficient to complete 120 hours, before they will be admitted to candidacy for the second degree.

The degree of Master of Arts is intended to represent at least one year of scholarly study in liberal and non-professional subjects in which a physical science has not been a major subject of study. This year must be passed in resident work, done under the direction of the College, but the candidate must satisfy the faculty of his proficiency in his chosen subject of study, by class work, thesis and examination, and the degree is not assured at the end of any fixed period of work.

The specific requirements which must be satisfied in order that the degree of Master of Arts may be conferred are as follow:

1. The applicant must submit his request to be admitted to candidacy for the degree, together with credentials of the work done for his baccalaureate degree, to the Committee on Graduate Studies, at the beginning of the academic year; and before October 15 he must have selected a major subject of study and a course of study for the year, approved by his major professor and by the committee.

2. An applicant must be able to read two foreign languages, such as may be specified by the professor under whom he is pursuing his major studies; and his ability to do so shall be tested by examination before he is admitted as a candidate for the degree.

3. Candidates must complete 30 hours, at least 10 of which shall be advanced courses in his major subject of study, taken consecutively. The semester examinations in these subjects must be passed with a minimum grade of 70. This work may consist (1) of subjects assigned to the individual candidates and (2) of lines of study selected from advanced undergraduate work. It shall not include any of the following: (a) Required undergraduate work; (b) courses which have the value of only 3 hours to undergraduates who are credited with 90 hours; (c) courses of a professional character in the School of Ministerial Education or elsewhere.

4. A thesis which shows some power of scholarly investigation and of stating the results of such investigation, must be written on a subject chosen from the field of the major study. The subject of this thesis must be submitted to the Committee on Graduate Studies, and approved by them, as early as December 1 of the academic year in which the degree is expected to be conferred. The thesis must be finished and submitted in its completed form by May 1. If accepted, a typewritten copy, upon the regulation paper, properly bound, must be deposited in the College Library by June 1.

5. The candidate must present himself during the last two weeks of the second semester, at a date and hour publicly announced, for oral examination on the work done during the year, including his thesis. This examination shall be conducted by a committee consisting of the professor in charge of his major subject and at least two other professors.

A candidate for the degree of Master of Science must complete 30 hours of graduate work in science or mathematics. These 30 hours must be taken in not more than two departments, at least 20 hours in one and 10 in the other department. A student holding the degree of Bachelor of Arts must fulfill all the requirements for the degree of Bachelor of Science in this institution, in order to become a candidate for the degree of Master of Science. Any one holding the degree of Bachelor of Science from another college of similar rank to this, may become a candidate for the degree of Master of Science by fulfilling the requirements for that degree. In all other respects the requirements for the degree of Master of Science are the same as those for the degree of Master of Arts.

No work done by a student while yet an undergraduate shall be allowed to count toward fulfilling the requirements of a graduate course; but students who finish their undergraduate work before the close of the college year may begin their graduate work at once without waiting for the conferring of the Bachelor's degree. Graduate students are subject to the same regulations regarding number of subjects to be taken as undergraduate students. In all cases the work of candidates for the degree of Master of Arts or Master of Science is subject to the approval of the faculty committee on graduate work, and to this committee all proposed graduate work must first be submitted.

For the special requirements for the degree of Bachelor of Divinity see page 68.

Examinations. Examinations in all courses of study are held at the close of each semester. Students are graded in each study pursued during the semester. A student failing in any subject must make such failure good within a period of one year, in order to receive credit for the course. Absence from examination counts as failure when not previously arranged with the instructor. A student taking an examination at a time other than that appointed for his class must first pay to the treasurer, for the benefit of the library fund, the sum of \$2.00.

Semester As soon as possible after the semester examinations, a
Reports. report of the attendance and proficiency of each student is prepared and sent to his parent or guardian, who is earnestly requested to give such report careful attention, or to notify the secretary of any failure to receive it. These reports should be preserved.

Students are graded on a scale of 100 as follows: 60 is passing grade, and 80 indicates a good degree of excellence.

The report made at the close of the second semester will indicate, also, the student's arrears (if any) in entrance requirements and prescribed work, and will give the number of credits toward graduation due him, thus showing his classification for the beginning of the following year.

COURSES OF INSTRUCTION

When an announced course has not been applied for by at least five students, candidates for a degree, the instructor shall be at liberty to withdraw the course.

The week-holiday is Monday.

Bracketed courses will not be offered in 1913-'14.

Semesters are indicated by Roman numerals I and II.

Five-hour courses meet daily: (5) Daily.

Three-hour courses meet Tuesday, Thursday and Saturday: (3) T. Th. S.

Two-hour courses meet Wednesday and Friday: (2) W. F.

LATIN.

PROFESSOR GELSTON.

General Statement. In Latin work of the first college year the especial aim is to develop the student's grasp of the language. To that end there is much insistence on vocabulary practice and oral reading, as well as upon accurate and finished translation. The advanced courses, which are either continuous or supplementary to one another, seek primarily to foster real appreciation of Latin literature for its own sake.

Courses.

- | | |
|-----------------------------|------------------------|
| A. CICERO: Select Orations. | I (3) T. Th. S. 11:30 |
| B. VERGIL. <i>Æneid</i> . | II (3) T. Th. S. 11:30 |

Courses A and B are intended for students who have two entrance units of Latin only. When these courses have been satisfactorily completed, such students will be admitted to Latin 1.

1. CICERO: De Senectute; LIVY: Books XXI, XXII. Writing of Latin once a week. This course is intended to develop the student's power to read Latin of average difficulty with intelligence and comparative ease. Minimum prerequisite, three units of Entrance Latin. I (5) Daily 9:00
 2. TERENCE: Phormio; HORACE: Odes and Epodes. By this time the student ought to have gained sufficient mastery of the syntax and vocabulary to enable him to give most of his attention to the literary study of the authors read. II (5) Daily 9:00
 3. HORACE: Satires and Epistles; PLAUTUS: Captivi. Roman private life will be studied in connection with the reading. I (5) Daily 10:30
 - 4a. Selections from Catullus, Tibullus, Propertius, Ovid and others. II (3) T. Th. S. 10:30
 - b. History of Latin Literature. II (2) W. F. 10:30
- Course 4b is intended to accompany 4a. It may, however, be elected singly by students having no knowledge of Latin.
5. LUCRETIVS: De Rerum Natura. Reading and translation of selected portions. Collateral study of Roman thought. MARTIAL: Selected Epigrams for rapid reading and sight translation. I (3) T. Th. S. 1:30
 6. TACITUS: Selections from the Annales or Historiæ. Some time will be given to study of the history of the Early Empire. II (3) T. Th. S. 1:30
 7. RAPID READING COURSE: A large amount of Latin in one or more works will be read, affording constant practice in oral reading and sight translation. I (2) Hours to be arranged. *This course is provisional and should not be elected without consultation.*
 8. TEACHERS' COURSE: Vergil's works, especially the Æneid, to be read with reference to teaching. II (2) Provisional

- [9. **PLINY: Letters; JUVENAL: Satires.** Study of private life and manners at Rome under the Early Empire.]
- [10. **TEACHERS' COURSE:** Cæsar's Gallic war to be read with reference to teaching. Courses 9 and 10 to be given in 1914-'15.]

GREEK.

ACTING PROFESSOR GELSTON (in charge).

MISS WEAVER.

General Statement. In this department students are encouraged to work toward appreciation of Greek for its own sake and toward facility in the use of Greek texts as original sources. In the elementary course the instructor gives particular attention to the needs of beginners, assisting them to cover rapidly as college students the work commonly done through a more extended period in preparatory schools. The advanced courses are designed, as far as possible, to continue or supplement one another.

Courses 1 and 2 are continuous and both must be taken if credit in one of them is desired.

To students credited with 90 hours or more, courses 1 and 2 count as half courses.

Courses.

- 1, 2. **ELEMENTARY GREEK.** Special effort is made with mature students to prepare them in one year for subsequent courses in classical Greek. Rouse's First Book in Greek and Rouse's Greek Boy at Home. Xenophon's Anabasis.

I, II (5) Daily 10:30

3. **HERODOTUS:** Selections. Sight reading in Xenophon. Greek syntax and prose composition.

PLATO: Apology of Socrates and Crito. Selections from other dialogues. Sight reading.

I (5) Daily 9:00

4. **HOMER:** Oydsey. Mythology and Mycenæan Archæology.

II (5) Daily 9:00

- [5. LUCIAN: The Dream, Charon, Sale of Lives, and other selections. Sight reading.]
- [6. XENOPHON: Hellenica. Selections from the Attic orators. Sight reading.]
- [7. INTRODUCTORY STUDY OF THE GREEK DRAMA: The Antigone of Sophocles and Iphigenia among the Taurians of Euripides. Collateral study of the Greek theater and presentation of the drama.]
- [8. ÆSCHYLUS: The Agamemnon and other dramas.]
- [9. MODERN GREEK: Grammar, short stories and poetry.]
- [10. GREEK LITERATURE IN ENGLISH: A general survey of Greek literature. Homer and the dramatists are read in translation. Lectures by the instructor. Reports by members of the class.]
- 11, 12. HELLENISTIC GREEK: For description of these courses see page 71.

GERMAN.

PROFESSOR DANTON.

MISS WEAVER.

General Statement. The College Library has a small but well-chosen collection of German books; this collection, supplemented by those of the Indianapolis Public Library and of the Indiana State Library, which have a uniformly generous policy toward the buying of German works, makes possible a very satisfactory study of German literature. The department is not at present able to offer work for the Master's degree, nor does it attempt to train teachers of German. The object of the first two and a half years' work is to enable students to acquire a practical command of the language; in the last year and a half the study of the language is entirely subordinated to the study of literature.

Courses 1 and 2 are continuous and both must be taken in order to receive credit.

To students credited with 90 hours or more, courses 1 and 2 count as half courses.

Courses.

- 1, 2. A continuous course in beginning German for college students. The formal study of grammar is subordinated to a more direct method of acquiring the language. As far as possible, German is spoken in the classroom from the beginning.
I, II (5) Daily, Section a 8:00, Section b 11:30
- 3, 4. The work of the second year is also planned as a unit, but the courses may be taken separately for credit. Grammatical review based on a book like Savory's *Deutsches Reformlesebuch* or Boezinger's *Mündliche und Schriftliche Uebungen*. Graded texts are read and made the basis for classroom conversation in German and of composition built up from the reading. The student is urged not to translate but is taught to understand German without the interpolation of the English medium. Teachers in secondary schools who are preparing students to take this course should train them in taking down simple dictation and in building up a systematic vocabulary of important root-words as well as to understand simple spoken German.
I, II (5) Daily 9:00
5. MODERN PROSE: In this course longer texts are read and discussed in German. Summaries in German of assigned chapters. After the Christmas vacation, the class will read one of Lessing's prose plays.
I (3) T. Th. S. 11:30
6. INTRODUCTION TO THE STUDY OF THE GERMAN CLASSICS: Works of Lessing, Goethe and Schiller are studied in detail. The discussion is usually in English. An attempt is made to round out the picture of each of the three authors so that the class may be able to break up the term "German classics" into its components.
II (3) T. Th. S. 11:30

The courses numbered above 6 are given in a cycle and aim to cover all the important periods and phases of German literature as far as

these are of value to college students. The instructor reserves the right to exclude first year students. In 1913-'14 the following will be given:

21. **EARLY NINETEENTH CENTURY LITERATURE:** Special reference will be made to Kleist and Grillparzer. Lectures, reports, outside reading, a term paper. I (2) Hours to be arranged
22. **GOETHE'S FAUST.** The course will not be open to first year students unless of sufficient maturity. II (2) Hours to be arranged

In 1912-'13 the following were given:

- 18, 19. **MASTERPIECES OF GERMAN LITERATURE** from the earliest times to the end of the Reformation.
15. **HEBBEL.**

ROMANCE LANGUAGES.

ASSISTANT PROFESSOR GREENE.

General Statement. A course in French extending over three years is offered. For the third year, different courses are offered in alternate years, so that a student may obtain credit for four years' work.

The College Library, aided through special arrangement by the Indianapolis City Library, places at the disposal of the students of the department a large and well chosen collection of French texts and criticism, as well as of works on France and the French.

Courses 1 and 2 are continuous. Both must be taken to receive credit.

To students credited with 90 hours or more courses 1 and 2 count as half courses.

Courses in French.

- 1, 2. **ELEMENTARY COURSE (continuous):** This course consists of the study of grammar, composition and the reading of modern French, including at least one play and extracts from French

historians. There is constant practice throughout the year in pronunciation and in writing from dictation with a view to training the ear to spoken French. The commoner idioms are learned through daily drill in conversation.

I, II (5) Daily, Section a 8:00, Section b 1:30

- 3, 4. The course aims at giving the student ability to read modern French prose and poetry with ease and appreciation, and at giving some practice in advanced composition. The best poetry, plays and novels of some more recent French masters are read, in or out of class, and discussed—de Vigny, Hugo, Dumas fils, Balzac, Sand, A. Daudet, Augier, Maupassant, France and Loti. Selections from some modern French historian are read. The course emphasizes the development in the student, through analysis of French style, treatment and character, of a sound literary appreciation. The history of French literature from the Renaissance is given in outline. The use of spoken French in the classroom is increased. I, II (3) T. Th. S. 9:00

- [11, 12. THE NOVEL: By means of reading of texts, discussions, lectures, etc., the class traces the development of the novel from the epic. The text-book is "Le Roman en France depuis 1610." Morrillot.]

13. MOLIERE, LA FONTAINE: An attempt is made through the reading of representative comedies, fables, etc., through lectures and by supplementary assigned readings among the French Classicists, to lead the student to appreciate the literary significance of both Moliere and La Fontaine. Reports of assigned outside reading on the authors and their times are required of the class—some in French.

I (3) T. Th. S. 10:30

14. THE ROMANTIC TENDENCY OF THE NINETEENTH CENTURY. This is a supplementary course to course 13. The class reads poetry, plays and novels suited to illustrate the romantic tendency in French literature during the first half of the nineteenth century. Lectures and assigned outside reading seek to make clear the

origins and progress of and reasons for the decline of Romanticism and for the rise of Realism. II (3) T. Th. S. 10:30

[15. COMEDY SINCE MOLIERE.]

[16. CONTEMPORARY FRENCH LITERATURE.]

[17, 18. AN OUTLINE OF FRENCH LITERATURE.]

Courses in Spanish.

1. ELEMENTARY COURSE: Ramsey's Spanish Grammar. Supplementary exercises in reading, composition and conversation based on such texts as Lecciones de Espanol por F. Themoin y E. Hernandez; Primer Curso de Lengua Castellana por D. P. Lourtau y D. Luis Arizmendi (Biblioteca de Ensenanza Tecnica.)
PROFESSOR PAUL. I (5)

2. Reading of classical texts, and of current literature with special attention to Hispano-American authors. For missionary candidates preparing for Spanish-speaking fields additional reading is required of the following works: Heroes de la Fe, and Las Inovaciones del Romanismo, published by Libreria Nacional y Extranjera de Madrid.
PROFESSOR PAUL. II (5)

ENGLISH.

PROFESSOR KENYON.

PROFESSOR GRAYDON.

MRS. ALLEN-FORREST.

MISS BUTLER.

General Statement. The Department of English contemplates a threefold object:

1. Practice in English composition.
2. A knowledge of our own language.
3. Independent ability to read and appreciate English literature.

- 1, 2. FRESHMAN ENGLISH: English Grammar, Composition and Literature. I, II (5) Section a 1:30, Section b 9:00, Section c 8:00, Section d 10:30, Section e 11:30.

- 5, 6. OLD AND MIDDLE ENGLISH: This course lays the foundations for a knowledge of the English language with its constructions and idioms, both for its own sake as disciplinary culture, and for the purpose of learning to read English literature intelligently. It includes also lectures on the types of Early English literature, and a careful study of Chaucer's more important works. Students preparing to teach English, and those who do their major work in English, are required to take this course. This course will be prerequisite to English 7 (Shakespeare) given in 1914-'15. Freshmen are admitted to this course by permission of the instructor.

PROFESSOR KENYON.

I, II (5) Daily 10:30

7. SHAKESPEARE: A brief introduction to sixteenth century English with reading of one or two plays of Shakespeare, Prerequisite, English 1, 2, or 5, 6. After 1913-'14 English 5, 6 will be prerequisite.

PROFESSOR KENYON.

I (3) T. Th. S. 9:00

10. EARLY NINETEENTH CENTURY LITERATURE: This course will be devoted chiefly to the poets of the early nineteenth century, beginning with Wordsworth. Prerequisite, English 1, 2, or 5, 6.

PROFESSOR KENYON.

II (3) T. Th. S. 9:00

12. THE ENGLISH NOVEL: This course is a study of representative nineteenth century works. Prerequisite, English 1, 2, or 5, 6.

PROFESSOR KENYON.

II (2) W. F. 9:00

- [8. SHAKESPEARE: A sequel to English 7, with a more rapid study of several plays.]

- [19. MILTON: A study of his poetry and prose, as complete as time allows.]

- 3, 4. AMERICAN LITERATURE: This course is continuous throughout the year. It will be so divided as to be open each semester to new students who have completed English 1, 2, or the equivalent.

MISS GRAYDON.

I, II (5) Section a 8:00, Section b 1:30

- 13, 14. BROWNING.
MISS GRAYDON. I, II (3) T. Th. S. 9:00
15. THE DEVELOPMENT OF THE ESSAY: Lectures, historical and critical, are given, while reading and analysis of representative essays are made. Prerequisite, 20 hours of English.
MISS GRAYDON. I, II (2) W. F. 9:00
16. TENNYSON.
MISS GRAYDON. I, II (2) W. F. 9:00
- [17, 18. THE ENGLISH DRAMA: This course is continuous throughout the year. The English drama is studied as an expression of social conditions and a distinct art, without neglect of its characteristics as a form of literature. Lectures and interpretation are given by the instructor, while an intensive study of typical plays is made by the student. Prerequisite, 20 hours of English.
MISS GRAYDON.]

Courses 13, 14 and 16 regard the personality of each poet and the development of his art. Historical and literary criticism is made of selected poems. Prerequisite, 20 hours of English.

PHILOSOPHY.

PROFESSOR HOLLANDS.

General Statement. The main purpose of the work on Philosophy is to put the student in possession of a way of looking at things which will help him to interpret both his own experience and the larger problems which enter into the intellectual life of the time. The historical method is followed, and actual reading of the great philosophers required, so far as is feasible in general courses of an introductory character.

Prerequisite to all courses in Philosophy, 30 hours college credit.

Courses.

1. **PSYCHOLOGY:** An introductory course, designed to acquaint the student with the scope and methods of the science, the nature and activities of the mind, its laws and processes.
I (3) T. Th. S. 10:30
2. **LOGIC:** An elementary study of the nature, principles and methods of reasoning. The disciplinary value of the subject is emphasized, and constant drill in the analysis and criticism of arguments and ratiocinations of various types is provided.
II (3) T. Th. S. 10:30
- 3, 4. **ETHICS:** The nature, presuppositions and history of the fundamental conceptions of morality. A continuous course throughout the year.
I, II (2) W. F. 10:30
- 5, 6. **HISTORY OF PHILOSOPHY:** A study of the development of thought from the Greek origin of philosophy to the present time, in its relation to the history and civilization of the various periods.
I, II (3) T. Th. S. 9:00
- 7, 8. **PHILOSOPHICAL CLASSICS:** The careful reading and discussion of selected works. The books chosen will vary from year to year. This course must be preceded or accompanied by courses 5, 6.
I, II (2) W. F. 9:00
9. **EVOLUTION: HISTORY AND SIGNIFICANCE OF THE IDEA:** An untechnical study of the history of evolutionary theory from its Greek origin to modern times, and an attempt to estimate the significance of the evolutionary point of view for an ultimate theory of the world.
I (2) W. F. 11:30
10. **PHILOSOPHICAL PROBLEMS:** The subject of this course, which will vary from time to time, will be the relation of the natural sciences to philosophy. It is recommended that it be preceded or accompanied by course 2 or course 5. II (2) W. F. 11:30
11. **PHILOSOPHY OF RELIGION:** A study of some fundamental problems common to philosophy and religion. Prerequisite, 60 hours credit, which should include Philosophy 5, 6.
I (3) T. Th. S. 11:30, or hour to be arranged

12. **HISTORY OF EDUCATION:** This course, when taken in preparation for teaching, should be elected with courses 1 and 2.

II (3) T. Th. S. 1:30

ECONOMICS AND POLITICAL SCIENCE.

PROFESSOR PUTNAM.

General Statement. The introductory courses in this department are given every year. The advanced courses alternate and are intended to meet the needs of two classes of students. First, those preparing for commercial or financial careers or for the public service, and, secondly, those looking forward to graduate work in Economics, Political Science or allied subjects. The courses in Political Science are also of especial significance as a preparation for the study of Law or Journalism.

Courses in Economics.

1. **PRINCIPLES OF ECONOMICS:** This course is intended to give the student a grasp of the fundamental principles of economic science and a general knowledge of its scope and method. It is open only to students who have thirty semester-hours of credit and is a prerequisite to all other courses in Economics.

I (5) Daily 9:00

2. **MONEY, CREDIT AND BANKING:** A study of the nature and functions of money, the standard of value, and the monetary history of the United States; the character of credit instruments and corporation securities; the functions of banks and the money market and foreign exchange; domestic and foreign banking systems; present day monetary and banking problems.

II (5) Daily 9:00

- [3. **PUBLIC FINANCE AND TAXATION:** The major part of the course is devoted to the subject of taxation, but financial administration and debt financiering receive consideration.]

- [4. ECONOMIC HISTORY OF THE UNITED STATES: Methods of colonizing the American continent; the land policy; the growth of industry, agriculture, commerce, transportation and labor.]
- X 5. LABOR PROBLEMS: A study of the problems and interests of wage-earners, such as the organization and policies of trades unions, employers' associations, arbitration, profit-sharing, factory acts, employer's liability and other forms of labor legislation. I (3) T. Th. S. 10:30
6. TRANSPORTATION: An outline course dealing with the more important principles and facts relating to railways, waterways and the express, telegraph, telephone and postal services. The greater portion of the course, however, is given to the problems of railway transportation, including financing, consolidation, rate-making and regulation. II (3) T. Th. S. 10:30
7. ECONOMIC THEORY: An examination of the writings of the leading economists from Adam Smith to the present. Attention is given chiefly to their theories of value and distribution. I (2) W. F. 8:00
8. ECONOMIC THEORY: A continuation of course 7. The latter part of this course is devoted to contemporary writers. II (2) W. F. 8:00
- 21, 22. SEMINAR: Open to suitably prepared seniors. The resources of the Indiana State Library and the State Legislative Bureau are available for the students of this department. I, II (2) F. 1:30-3:30

Courses in Political Science.

1. AMERICAN GOVERNMENT: A study of the national, State and local political institutions of the United States. Open to students having 15 hours of college credit. This course or its equivalent is a prerequisite to all other courses in this department. I (3) T. Th. S. 11:30

2. **EUROPEAN GOVERNMENTS:** A comparative study of the constitutional organization and practical working of the principal governments of Europe. Some knowledge of Modern European history is necessary as a preparation for this course.

II (3) T. Th. S. 11:30

- [3. **PROBLEMS OF MUNICIPAL GOVERNMENT:** A comparative study of a number of American and European cities. Special attention is paid to problems in organization and administration and to control of public works.]

- [4. **COLONIAL GOVERNMENT:** An examination of systems of colonial and territorial government, such as those found in American territories, the British self-governing colonies and various dependencies inhabited by inferior races.]

5. **INTERNATIONAL LAW:** A course designed to explain the origin and interpretation of the rules governing the relations of modern nations. Consideration is given to American diplomatic questions.

I (2) W. F. 2:30

- ~~6.~~ **CHARITIES AND CORRECTION:** A brief study of the dependent, defective and delinquent classes and of the provision made by the state for dealing with them.

II (2) W. F. 2:30

HISTORY.

PROFESSOR COLEMAN.

General Statement. The Department of History seeks to give the student an insight into modern methods of historical work and a knowledge of results in certain limited fields. The courses are numbered approximately in the order of the degree of advanced work involved in them. In general, as much proficiency as is practicable should be gained in Latin, French and German before taking up college History.

Courses.

- 1, 2. **ANCIENT HISTORY:** A survey of the ancient world out of which [European civilization has developed, with emphasis

upon the valleys of the Nile and the Euphrates and the eastern end of the Mediterranean Sea. Special attention will be given to the environment of the Hebrews and the historic setting of the Old Testament, as well as to the influence of earlier civilizations upon the development of the Greeks and the Romans. The course will begin with the earliest historical times and close with a short study of the Roman Empire.

PROFESSOR UNDERWOOD.

I, II (2) W. F. 10:30

3. EUROPEAN HISTORY, 300-1500 A. D.: An outline course upon the history and institutions of Europe during the Middle Ages. Instruction is given by lectures, text-books and collateral reading. I (5) Daily 10:30
4. EUROPEAN HISTORY, 1500-1900: Continuation of course 1, but may be taken separately by those who have had two years of History in high school. II (5) Daily 10:30
5. ENGLISH POLITICAL HISTORY, 1485-1912 A. D.: With special emphasis upon the Tudor and Puritan periods, which influenced American colonial institutions, and upon the development of contemporary English conditions. Prerequisite, 30 hours college work. I (5) Daily 9:00
6. ENGLISH INDUSTRIAL AND SOCIAL LIFE, 1485-1912: With special emphasis upon the Industrial Revolution. Prerequisite, 30 hours college work. II (5) Daily 9:00
21. THE AMERICAN REVOLUTION: A study of the principal sources of information upon the causes and course of the revolutionary movement in the thirteen English colonies, 1760-1789. Prerequisite, 10 hours of History. I (2) W. 1:30-3:30
22. AMERICAN BIOGRAPHICAL STUDIES: In 1913-'14 the lives of Andrew Jackson, Daniel Webster, Henry Clay and Abraham Lincoln will be taken up, and most of the reading will be assigned in their works. Prerequisite, 10 hours of History. II (2) W. 1:30-3:30

(For courses in Church History, see page 73.)

RELIGIOUS EDUCATION.

PROFESSOR MORRO.

PROFESSOR COLEMAN.

PROFESSOR UNDERWOOD.

General Statement. These courses are intended to give the college student an introductory knowledge of the fundamental and essential principles of the Christian religion and its history. They are planned for the general and not for the ministerial student, though all students who expect to become ministers, missionaries or other religious workers are advised to elect courses from this department. It will be noted that the work of this department consists mainly in imparting a knowledge of the English Bible. Candidates for the degrees of Bachelor of Arts or of Science may elect courses from this department on the same conditions as those from other departments.

- 1, 2. **HISTORY OF ISRAEL:** From the earliest times to 175 B. C. This course seeks to acquaint the student with narrative portions of the Old Testament, together with a systematic study of the rise of both nation and religion of Israel.

PROFESSOR UNDERWOOD.

I, II (3) T. Th. S.

- 3, 4. **NEW TESTAMENT HISTORY:** The life of Christ will be studied during the first semester and the Apostolic Age during the second. In each case the effort will be to get an accurate and adequate view of the essential facts, their relation to the contemporary life, and their significance for the present time.

PROFESSOR MORRO.

I, II (5) Daily 10:30

5. **CHURCH HISTORY:** See courses 11 and 14, page 73.

PROFESSOR COLEMAN.

6. **THE ESSENTIALS OF CHRISTIANITY:** See Comparative Religions, course 2, page 74.

PROFESSOR MORRO.

BIOLOGY.

PROFESSOR BRUNER.

General Statement. This department aims (1) to meet the demands of a liberal education, and (2) to prepare students for teaching, investigation and medicine. The elementary courses in zoology and botany are designed partly to meet the first demand and partly to furnish a basis for more advanced work.

The method of instruction recognizes the value both of the ideas of science and of discipline; it emphasizes general principles, and at the same time encourages the acquisition of the methods and habits of scientific investigation. Lectures and recitations go hand in hand with practical work, in which each student is required to make a faithful record of his observations.

To meet the requirements for graduation, courses 1 and 2 in Zoology may be elected. In all cases both courses must be taken to receive credit, but students from other colleges may offer an equivalent for one or both of these courses.

A laboratory fee of \$4.50 per semester is charged in all cases excepting course 7, the fee for which is \$1.50.

Courses in Zoology.

1. **ELEMENTARY ZOOLOGY:** (a) General introduction. The most important characteristics of living matter; structure and properties of the cell; origin of tissues and organs.
(b) The vertebrate type and its chief modifications; laboratory work on *Amphioxus*, dogfish, frog, lizard, pigeon, mammal.
Outline of the theory of evolution. I (5) Daily 10:30-12:30
2. **ELEMENTARY ZOOLOGY (continued):** An outline of the structure, functions and classification of invertebrates.
II (5) Daily 10:30-12:30
3. **HISTOLOGICAL AND MICROSCOPICAL METHODS:** (a) A study of the methods and processes employed in microscopical investigation, with practical work in the preparation of various kinds of material.

(b) The minute anatomy of a typical mammal. Prerequisite, courses 1 and 2, or an equivalent. I Daily 10:30-12:30

4. EMBRYOLOGY OF VERTEBRATES: Lectures on segmentation, the formation of the germ layers and the development of organs; practical study of the chick, frog and pig. This course must be preceded by course 3. II Daily 10:30-12:30

- [5. COMPARATIVE ANATOMY OF VERTEBRATES:

(1) A review of the classification and development of vertebrates.

(2) A study of physiological mechanisms—skeleton, muscular system, nervous system, sense organs, respiratory systems, urinogenital systems, etc.

Open to students who have taken courses 1 and 2.]

- [6. MAMMALIAN ANATOMY: This course is intended for students who desire an acquaintance with the structure of the mammalian body as a preparation for work in physiology, anatomy and medicine. Prerequisite, course 1. Reighard and Jennings' Anatomy of the Cat.]

- [7. PHYSIOLOGY: A course in human physiology, including recitations, demonstrations and practical exercises in the laboratory. A fee of \$1.50 is charged.]

8. THE THEORY OF EVOLUTION: Prerequisite, Zoology 1 and 2, or an equivalent. I (2) W. F. 9:00

Courses in Botany.

1. ELEMENTARY BOTANY: This course deals with the larger groups of plants—algæ, fungi, liverworts, mosses, ferns, seed-plants—whose general characteristics are illustrated by the study of typical forms. In connection with the above, particular attention is given to cell structure, the differentiation of cells and tissues, the origin of sex, alternation of generations and the significance of the seed. II (3) T. Th. S. 8:30-10:30

- [2. **ECOLOGY:** A study of the adaptations of plants to their physical environment and to other organisms, including the modification of plant structures under changing conditions, and the origin and development of plant societies. An elementary course for teachers and general students. Instruction is given by means of lectures, lantern views, laboratory exercises and field work.]

GEOLOGY AND PHYSICAL GEOGRAPHY.

PROFESSOR BRUNER (in charge).

General Statement. The instruction offered in this department is intended as an introduction to the entire field of geological science. The subject-matter is believed to include that which is most interesting to the student, and at the same time most valuable to the average citizen. The collections in the museum are of great value for illustration of the work outlined below.

1. **ELEMENTARY GEOLOGY:** (a) The dynamical agencies and their work, as illustrated in denudation, earthquakes, volcanoes, coral reefs and islands, glaciers, etc.
(b) The structure of the earth's crust; stratified, igneous and metamorphic rocks; origin of mountains; faults, dykes, mineral veins.
(c) Historical Geology. The development of the North American continent; the evolution of the life of the globe.

I (3) T. Th. S. 9:00

CHEMISTRY.

PROFESSOR BROWN.

General Statement. The courses offered in this department are primarily designed to meet the wants (1) of those desiring a general knowledge of the subject, and (2) of those feeling the need of more advanced work in order to prepare themselves for research work, teaching, medicine, chemical engineering or other professions.

The instruction is given by means of lectures, recitations and lab-

oratory work. The lectures are fully illustrated by numerous class-room experiments, and are supplemented by recitations, written exercises, written examinations, problems and laboratory work.

The equipment of the department is good. The lecture-room is fully supplied with apparatus and all of the modern facilities for the experimental illustration of the different lecture courses. The laboratories are well furnished, being conveniently arranged and supplied with tables, reagents, gas, water, hoods and all the necessary facilities to enable the student to carry on the lines of work laid out in the several courses. To each student is assigned his own desk with separate outfit of apparatus and chemicals. Courses 1 and 2 constitute a continuous course.

Courses.

- 1, 2. GENERAL INORGANIC CHEMISTRY: Elementary. The non-metals and metals. Lectures, recitations and laboratory work. The lectures, which are fully illustrated by experiments, are devoted to a discussion of the facts and theories of chemistry, to the use of symbols, formulæ and equations and the solving of chemical problems, together with the history, occurrence, preparation and properties of the elements and their principal compounds. In the laboratory special attention is given to training the students in inductive reasoning as applied to chemical work. It is recognized that while the accumulation of chemical facts is of importance, careful observation and the correct interpretation of the phenomena observed are of much greater importance. I, II (5) T. W. Th. F. 1:30-3:30; S. 12:00-1:00
3. QUALITATIVE ANALYSIS: Lectures, recitations and laboratory work. A systematic course in qualitative analysis, including a comparison of the different methods of separation and identification of inorganic substances, both in solution and in the dry condition. The ionic theory and the law of mass action, as applied to the work in this course, are fully discussed. Prerequisite, courses 1 and 2, or an equivalent. I (5) Daily 10:30-12:30
4. GENERAL ORGANIC CHEMISTRY: Lectures, recitations and laboratory work. The principles of organic chemistry, together

with the preparation and the study of the properties of the typical series of compounds of carbon. This course is especially recommended to those desiring a good general knowledge of elementary organic chemistry, Prerequisite, courses 1 and 2. Lectures and recitations two days a week at 10:30, laboratory work, three days a week, 10:30-12:30. II (5) Daily

- [5], 6. QUANTITATIVE ANALYSIS: Lectures, recitations and laboratory work. An introduction to quantitative methods and the chemistry upon which those methods are based. Analysis of salts, alloys, commercial products, etc., by gravimetric, volumetric and electrolytic methods. Prerequisite, courses 1, 2 and 3, or the equivalent. I (3) T. Th. S. 10:30-12:30
- 7, 8. ADVANCED QUANTITATIVE ANALYSIS: A continuation of the work of courses 5 and 6. More advanced processes of analysis with special emphasis on industrial applications. The courses include the more characteristic processes of food, water, gas, drug, rock analysis, etc.; electrolytic methods, and organic combustion. Prerequisite, courses 1 to 6, inclusive. I, II (3) T. Th. S. 10:30-12:30
- 9, 10. PHYSICAL CHEMISTRY: Lectures, recitations and laboratory work. The more important theories involved in this branch of the science, the mathematical basis of the same, and the more representative laboratory processes. Prerequisite, courses 1 to 6, inclusive. I, II (2) W. F. 10:30-12:30
- [11. ADVANCED ORGANIC CHEMISTRY AND QUALITATIVE ANALYSIS: Lectures, recitations and laboratory work. More advanced problems of organic synthesis and theory; advanced problems of qualitative analysis, both organic and inorganic.]
- [12. INDUSTRIAL AND SYNTHETIC CHEMISTRY: Lectures, recitations and laboratory work. Consideration of the more important chemical industries of the day. The laboratory work consists mainly of the preparation of inorganic substances and consideration of the conditions under which the best quantitative yields may be obtained.]

Courses 9 and 10, 11 and 12 will be alternate in successive years.

13, 14. **SPECIAL WORK:** Students who have completed courses 1 to 10, inclusive, or the equivalent, and who show special qualifications, may be assigned special work along lines of original investigations, or special analytical problems.

The laboratory fee for courses 1 and 2 is \$4.50 each; for courses 3 and 4, \$6.00 each; for courses 5, 6, 7, 8, \$4.00 each; for courses 9, 10, 11, 12, \$3.00 each. These fees are for each semester, payable in advance. Extra charges are made for breakage, damage to apparatus and the more expensive chemicals.

PHYSICS.

· MR. KUEBLER.

General Statement. The work of this department is arranged to present a knowledge of general physics as carefully and thoroughly as possible. The courses consist of lectures and recitations, supplemented with much laboratory work which is entirely quantitative and individual. A laboratory fee of \$3.00 per semester is charged.

Courses.

GENERAL PHYSICS 1, 2: All important laws and phenomena of physics are considered in these courses. Recitations cover work presented in lectures, together with definite text-book assignments and solutions of problems involving principles of the subject. In the laboratory the student is held for observations, an accurate account of the experiments performed, possible sources of error and discussions of theories involved.

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|--------------------------------------|-------------------------|
| 1. MECHANICS, HEAT, SOUND. | I (5) Daily 8:00-10:00 |
| 2. LIGHT, MAGNETISM AND ELECTRICITY. | II (5) Daily 8:00-10:00 |

MATHEMATICS AND ASTRONOMY.

PROFESSOR JOHNSON.

General Statement. The work in mathematics is arranged with a view to the interest (1) of those who desire to pursue mathematics as a means of general culture, and because of the valuable mental discipline which it affords, (2) of those who wish to use mathematics as an instrument in the study of the physical sciences, and (3) of those who intend to become teachers and investigators in mathematics.

The courses in mathematics outlined below may be roughly divided into elementary and advanced. By elementary courses are meant the courses in geometry, trigonometry, higher algebra, analytic geometry, differential and integral calculus. These courses are necessary in preparation for all the other courses given in mathematics.

While the more advanced courses are not all given each year, they vary from year to year in such a way that a student may receive continuous instruction in mathematics for five or six years.

The courses in astronomy are designed (1) for the general student, (2) as a basis for advanced work in theoretical and practical astronomy. The courses in mechanics show the application of calculus to physics and prepare the student for advanced theoretical physics and celestial mechanics.

Students who do not offer solid geometry for entrance to college may receive college credit for course A. It is, however, recommended that solid geometry be included among the elective units offered for entrance.

Courses in Mathematics.

- A. **SOLID GEOMETRY:** The usual theorems and constructions, including the relations of planes and lines in space; the properties of prisms, pyramids, cylinders, cones and spheres; numerous original exercises.
1. **PLANE TRIGONOMETRY:** After developing the fundamental principles, many exercises are given to furnish drill in the application of the formulas to the solution of problems.

ADVANCED ALGEBRA: Besides a brief review of the quadratic equation, this course includes permutations, combinations, logarithms, theory of equations, application of the principle of mathematical induction, determinants, Horner's method of solving numerical equations, elements of the theory of complex numbers and the algebraic solution of the general cubic and bi-quadratic equations. Prerequisite, trigonometry.

I (5) Daily 9:00

2. **ANALYTICAL GEOMETRY:** The application of algebra to geometry. The conic sections and their equations receive most attention. Some time is given to solid geometry. Prerequisite, course 1.

II (5) Daily 9:00

3. **DIFFERENTIAL CALCULUS:** Since this is a decidedly new field to the student, the transition is made cautiously. This is largely a drill course, but aims at vigor in the treatment in so far as seems desirable in beginning this subject. Prerequisite, courses 1 and 2.

I (5) Daily 8:00

4. **DIFFERENTIAL AND INTEGRAL CALCULUS:** Continuation of course 3, about four weeks being devoted to the differential and fourteen weeks to the integral calculus. Considerable attention is given to applications of calculus to geometry and mechanics.

II (5) Daily 8:00

5. **THEORY OF EQUATIONS:** A course devoted to the general properties of equations, determinants, transformation of equations, symmetric functions and the complex variable. Prerequisite, course 4.

I (3) T. Th. S. 2:30

6. **THEORY OF EQUATIONS:** Continuation of course 5.

II (3) T. Th. S. 2:30

7. **DIFFERENTIAL EQUATIONS:** This course deals with the methods of solution of the simpler ordinary and partial differential equations, many of which occur in works on advanced physics. Prerequisite, course 4.

I (2) W. F. 2:30

8. Continuation of course 7. II (2) W. F. 2:30
- [9. ADVANCED DIFFERENTIAL CALCULUS: Based on Byerly's Differential Calculus. Prerequisite, course 4.]
- [10. ADVANCED INTEGRAL CALCULUS: Byerly's Integral Calculus, supplemented by lectures. The topics studied are imaginaries, definite integrals, multiple integrals, elliptic integrals, and elements of functions of a complex variable. Prerequisite, course 9.]
- [11. THEORY OF FUNCTIONS: This course deals with conformal representation, infinite series, singular points of analytic functions, and particularly with algebraic functions. Prerequisite, course 10.]
- [12. PROJECTIVE GEOMETRY: The geometry of the projective group in the plane and in space is studied by both the analytic and synthetic methods; applications to non-Euclidian geometry. Prerequisite, course 10.]

Courses in Astronomy and Mechanics.

- [1. GENERAL ASTRONOMY: This course is designed for those who desire to pursue the work as part of a liberal education. Requires no mathematical preparation. The telescope will be used in connection with the study of the solar and stellar systems.]
- [2. GENERAL ASTRONOMY: Continuation of course 1.]
- [3. ELEMENTARY MECHANICS: Kinematics, statics and kinetics will be studied in their elementary forms without the knowledge of calculus. Prerequisite, Mathematics 1.]
- [4. ANALYTIC MECHANICS: Statics and dynamics. The application of calculus to determine the state of a system of particles of rigid bodies. Prerequisite, Mathematics 6.]
- [5. ANALYTIC MECHANICS: Continuation of course 4. Problem work is an important feature of this course.]
- [6. INTRODUCTION TO CELESTIAL MECHANICS: The problem of two and three bodies will be considered. Also the method of determining the elements of an orbit. Prerequisite, Mechanics 4, 5.]

PHYSICAL TRAINING.

CARL B. SPUTH, M. D., Director.

General Statement. The Department of Physical Training is designed to promote the best health of the individual, to enable him to co-ordinate muscular movements more quickly and gracefully, to provide for greater physical symmetry, and to inculcate a knowledge of the functions of his own body. To facilitate these ends a gymnasium is provided, equipped with necessary apparatus and furnished with dressing room, lockers and shower baths. The gymnasium building is under the complete supervision of a competent director or his assistant. Eight hours work is required for graduation, 4 of which must be taken in either the Freshman or Sophomore year.

Gymnastic costumes will be required of all students taking work in the Department of Physical Training. Such a costume can be obtained at a small cost.

DEPARTMENT OF MINISTERIAL EDUCATION

FACULTY.

THOMAS CARR HOWE, Ph. D., President.

WILLIAM CHARLES MORRO, B. D., Ph. D., Head of the Department,
Professor of New Testament Text and Interpretation.

JABEZ HALL, A. M., Professor of Homiletics and Theology.

CHRISTOPHER BUSH COLEMAN, A. B., B. D., Professor of Church History.

CHARLES EUGENE UNDERWOOD, Ph. D., Professor of Old Testament
Language and Literature.

CHARLES THOMAS PAUL, A. M., President College of Missions and
Professor of Missionary History and Linguistics.

HARRY CLARK HURD, A. M., M. D., Professor of Anthropology and
Missionary Science, College of Missions.

FRED ELMORE LUMLEY, B. D., Ph. D., Professor of Social Science,
College of Missions.

JOHN GRAFTON MCGAVRAN, A. M., Professor of Comparative Religion
and Indian Languages, College of Missions.

GENERAL STATEMENT.

Advantages which Butler College offers to those preparing for the ministry and to ministers seeking to improve their equipment are: Central location in an ideal residence district of a city of almost 260,000 population, with steam and electric roads radiating from Indianapolis, affording access to numerous churches in need of preachers; strong city churches and ministers whose work will repay observation and study; close touch with the national headquarters and the College of Missions

of the Christian Woman's Board of Missions; good college courses in a college of high standing and reputation; a course of study which gives the student not only a broad outlook, but specific training for the work of the ministry; large libraries belonging to the College, the city of Indianapolis and the State, all accessible to students.

The addition to the faculty of Professor Charles E. Underwood has rendered possible the enlargement of this department according to the preliminary announcement which was made in last year's catalog. Courses are now offered in all of those branches of instruction which are ordinarily included in the curriculum of a theological seminary. This provides a complete and fully rounded out training for the man who plans to do the work of the minister. The College confidently looks forward to the greater development of each of the departments of instruction announced below.

Students. Every student who is admitted to this department must be of good, well-established Christian character, and unless he is so well known to some member of the faculty as to render such credentials unnecessary, he should present a letter from the church in which he holds membership, from his pastor or from some person competent to certify as to his integrity. Students admitted to this department are of two classes, viz., regular and special. Regular students are those who have been graduated from some approved college. In some exceptional cases where the training of the applicant is slightly deficient, he may by special permission be admitted by the faculty as a regular student. Special students are those who are not college graduates and who for good reasons do not purpose to complete either the requirements for a bachelor's degree or the work of this department. They will be admitted only by consent of the faculty. In no case will any student be admitted to this department who has not completed a considerable portion of the college course. For those whose training is deficient, provision is made by Butler College, and attention is especially directed to the Department of Religious Education, the courses of which are listed on page 55 of this catalog. The provisions of this department enable a student to secure a fair amount of Biblical instruction while completing his undergraduate work.

Prospective students for the ministry are recommended in plan-

ning their college course to become as proficient as possible in knowledge of the ancient classics and to take as a minimum at least one full course in some one of the natural sciences; and in each of the following: History, Sociology, Economics and Philosophy. Students who have neglected any of these disciplines may be asked upon entering this department to make up the deficiency. Prospective students for the ministry are advised to elect as many as possible of the courses announced in the Department of Religious Education. This will make possible a wider range of studies for the B. D. degree.

Degrees. The B. D. degree will be conferred upon that student who in a satisfactory way has completed 90 hours from the courses listed below and upon the acceptance of a thesis on some approved subject prepared under the direction of some member of the faculty of this department. In meeting these requirements for the degree, the student may elect freely from the courses listed below, except that he must offer not less than 12 hours from the Department of Old Testament; not less than 15 hours from the Department of New Testament; and not less than 12 hours from the Department of Theology, and not less than 6 hours from the Department of Church History. In each department these required hours must include the courses marked *Required for the B. D. Degree*. Homiletics and Pastoral Theology will be required of all prospective ministers. At least 18 hours must be taken in one department, or 24 in closely related departments. In the latter case 12 hours must be taken in one department and the remaining 12 in subjects approved by the head of that department. This will constitute the student's major subject of study and the thesis must be written upon some topic chosen from the field of the major study. In all ordinary cases, it will require three college sessions to complete the required courses and write the thesis, but students of Butler College may during their Junior and Senior years elect from the Department of Religious Education and from the courses of other departments listed below sufficient to make 30 hours, and these will be credited toward the B. D. degree. This enables a student to secure the B. D. degree within two years after receiving his A. B. degree from Butler College. In no case will work done during the Freshman or Sophomore years, nor will more than 30 hours of Junior and Senior

work be credited toward the B. D. degree. The minimum passing grade for all work counted toward a graduate degree in Butler College is 70 per cent. Students who expect to take courses in this department are requested to make application through the head of the department for admission. Blanks for this purpose will be provided. The faculty reserves the right to require certain courses of those who apply for the B. D. degree and to grant the diploma without the degree to those whose work while above the passing mark is not considered of quality to merit the degree.

THE COLLEGE OF MISSIONS.

The names of the faculty and the courses of instruction offered by the College of Missions are listed in this department. This institution is located in close proximity to Butler College. It is maintained by the Christian Woman's Board of Missions. Its standards of admission are practically the same as those of the Department of Ministerial Education of Butler College. The students of the College of Missions have access to the classes of this department, and any student in the Department of Ministerial Education of Butler College may, on securing the approval of the faculty of this department, elect any course offered by the College of Missions.

COURSES OF INSTRUCTION

OLD TESTAMENT.

PROFESSOR UNDERWOOD.

- 1, 2. BEGINNING HEBREW: Grammatical principles of the language. The acquisition of a vocabulary. Translation of Genesis I-VIII, and selections from Samuel and Kings. Texts: Harper's Hebrew Method and Manual, and Elements of Hebrew.

I, II (5) Daily

- [3, 4. HEBREW SEMINAR: A study of the synthetical and textual

problem in selected Old Testament books. The Hebrew, Greek and Latin texts will be used as the basis for investigation.

I, II (3) T. Th. S.]

- [5, 6. HEBREW LITERATURE: A purely literary study of the Hebrew Scriptures, with a view to the appreciation of their beauty, variety and power as works of literary art. Analysis of typical selections, illustrating lyric, prophetic and wisdom poetry; oratory, drama, narration; a study of New Testament selections, showing influence of Hellenistic literature. I, II (2) W. F.]
- 7, 8. HISTORY OF ISRAEL: For description of these courses see page 55. Required for B. D. degree. I, II (3) T. Th. S.
- [9, 10. HISTORY OF JUDAISM: Maccabean and Roman periods. This course will deal with the conflict of Judaism and Hellenism, the rise of the Messianic Hope; the rise of the Pharisees, the Scribes, the Sadducees, Essenes, the Sanhedrin, the Synagogue, the Temple worship. It will also give the historical setting of the life of Jesus and deal with the political and social life of the Jewish people throughout this period.]
- [11, 12. CONTEMPORARY HISTORY: Intensive study of Babylonian, Assyrian and Egyptian History, with a brief study of later international movements.]
- 13, 14. INTRODUCTION TO THE OLD TESTAMENT: Examination into the origin, growth and general character of the contents of the several books of the Old Testament, together with an account of the formation of the Canon. I, II (3) T. Th. S.
- 15, 16. PROPHETS OF ISRAEL: This course will study the method and message of the Prophets, with an analysis of the prophetic mind. Certain elected Prophets will be made the subject of special study. Required for the B. D. degree. I, II (2) W. F.
- 17. BIBLICAL SOCIOLOGY: An advanced course dealing with the social organization and evolution described in the Old Testament. Open only to graduate students who have taken Sociology 9 or its equivalent, Primitive Society, and have therein shown a

capacity for original research. Lectures, papers and discussions.
 PROFESSOR LUMLEY. I (2) Hours to be arranged

NEW TESTAMENT.

PROFESSOR MORRO.

- 1, 2. HELLENISTIC GREEK: Selected passages will be read from the Septuagint, the Gospels, Acts of Apostles, the Epistles and the Apocalypse. Attention will be given to the rise of the Common Dialect and the relation of the Greek of the New Testament to it and to Classical Greek. Certain historical and archeological questions which relate to the language of the New Testament will be discussed. Principles of Hermeneutics will be formulated and the student will be given practice in the exegesis of selected passages. Prerequisite, two years of classical Greek. Required for the B. D. degree. I, II (3) T. Th. S. 9:00
- 3, 4. NEW TESTAMENT INTERPRETATION: Certain books of the New Testament will be read critically and exegetically. For the most part entire books and not selections from books will be studied. Each student will be required to read some critical commentary. The books to be read will be selected to suit the choice and convenience of the class. Prerequisite, course 1. Required for the B. D. degree. I, II (2) W. F. 9:00
- 5, 6. NEW TESTAMENT HISTORY: For description of these courses see page 55. Required for the B. D. degree. I, II (5) Daily 10:30
- 7, 8. NEW TESTAMENT INTRODUCTION: This course will consist of the study of (1) The history of the formation of the New Testament Canon; (2) the dates and authorship of the New Testament books; (3) the textual history and transmission of the New Testament; (4) its credibility and authority, and (5) the history of the English Bible. I, II (3) T. Th. S. 1:30
10. BIBLICAL SOCIOLOGY: A more popular course in the social teachings of Jesus, open to all students. Text-book lectures, papers and discussions. PROFESSOR LUMLEY. II (2) Hours to be arranged

THEOLOGY.

PROFESSOR HALL.

1. **OUTLINE OF THEOLOGY AND ITS LITERATURE:** This study aims to acquaint the student with the relations and the proper order and method of study of the entire course of the theological sciences. An outline of the sciences and of the literature related to them furnishes the student with a general view of the whole field which he will take up afterward in detail.
I (3) T. Th. S. 11:30
2. **OUTLINE OF CHRISTIAN THEOLOGY:** A text book will be used in this course, supplemented by special readings from related works.
II (3) T. Th. S. 11:30
- 3, 4. **BIBLICAL THEOLOGY OF THE NEW TESTAMENT:**
 - (1) The Teaching of Jesus.
 - (2) The Teaching of Paul.
 - (3) The Teaching of John.A suitable text book will be used, but selected readings from the biblical material will be given special prominence.
I, II (2) W. F. 11:30
- 5, 6. **BIBLICAL THEOLOGY OF THE OLD TESTAMENT:** Direct selective studies of the Old Testament from the theological point of view and readings from authors treating this study systematically.
I, II (3) T. Th. S. 8:00
- 7, 8. **ETHICS OF THE OLD TESTAMENT:** A text book will be used in this course.
I, II (2) W. F. 8:00
- 9, 10. **THE DEVELOPMENT OF RELIGION AMONG THE HEBREWS:** This course aims to show the relation and progress of Hebraic religion
 - (1) as it is rooted in the ideas and usages of the patriarchal period;
 - (2) as developed in Mosaism; (3) as matured by the prophets;
 - and (4) all as related to the Christian Religion.
I, II (2) W. F. 2:30

HOMILETICS.

PROFESSOR HALL.

1. **HOMILETICS:** This subject will be studied by means of a text book supplemented with sermonic literature representative of the history of preaching; the characteristics of great preachers; and the modern trend of preaching. Students will be required to prepare original sermons. I (3) T. Th. S. 2:30
2. **PASTORAL CARE:** In addition to a text-book, special attention will be given to present-day work as illustrated by city and county churches accessible to the student. II (3) T. Th. S. 2:30

CHURCH HISTORY.

PROFESSOR COLEMAN.

General Statement. The courses in Church History are intended to introduce the student to the principal sources of information upon the development of Christianity. They are open only to those of Junior class standing or above, and are equivalent in amount to the work usually given in one year of a Divinity School or Theological Seminary.

11. **OUTLINE OF CHURCH HISTORY:** A general survey of the beginnings and development of the Christian religion. Prerequisite, 60 hours, of which at least 10 must be in History. Required for B. D. degree. 1 (3) T. Th. S. 11:30
14. **CHURCH HISTORY:** Early Christian Literature. A study of the principal Ante-Nicene writers. Prerequisite, Church History 11. Required for B. D. degree. II (3) T. Th. S. 11:30
- 15, 16. **HISTORY OF MISSIONARY EXPANSION:** General course tracing the propagation of Christianity from its origin down to the present time. Church history is here presented from the viewpoint of expansion rather than that of doctrinal development.

An attempt is made to appreciate not only the personality and methods of the great missionary leaders, but also the environments in which they worked. The following reference works indicate in general the scope and materials of the course: Early Period—The New Testament, Harnack's Expansion of Christianity During the First Three Centuries. Middle Period—Thomas Smith's Medieval Missions. Modern Period—G. Warneck's History of Protestant Missions, Gareis' Geschichte der Evangelischen Mission. Lectures, abundant readings and reports.

PROFESSOR PAUL.

II (3)

COMPARATIVE RELIGIONS.

PROFESSOR MORRO.

1, 2. HISTORY AND COMPARISON OF RELIGIONS:

(a) The Science of Religion—its history, problems and methods. Introductory study of the origin and nature of religion, and the classification of its forms.

(b) Primitive Cults. The beliefs and practices of uncivilized peoples, prehistoric and extant—Animism, Totemism, Fetichism, Myth, Legend, Magic. The student is made acquainted with the main results of archaeology and comparative mythology.

(c) Ancient Systems. Religions of the Semites and Egyptians, with the special aim of showing the distinctive character and mission of Israel.

(d) Mohammedanism. The life of Mohammed. The sources and teachings of the Qu'ran. Development and present status of Islam in Arabia, Asia Minor, Turkey, Persia, Africa, China and other lands. Babism.

I (3)

(e) Religions of India. Vedism, Brahmanism, Upanishadic Philosophy, Buddhism, Parseeism, Sikhism, Jainism, and other minor cults; Modern Hinduism, Brahmo-Somaj, Ayra-Somaj and other reform movements.

(f) Religions of China and Japan. Confucianism, Toaism, Chinese and Japanese Buddhism, Shintoism, Bushido.

PROFESSOR MCGAVRAN.

- 3, 4. THE ESSENTIALS OF THE CHRISTIAN RELIGION: The aim of this course will be to state the fundamental truths of Christianity on such subjects as God, the person of Christ, the Scriptures, sin, salvation, etc. Comparison will constantly be made with the teachings of other great religions on the same subjects.

I, II (2) W. F. 1:30

RELIGIOUS PEDAGOGY.

PROFESSOR UNDERWOOD.

1. HISTORY OF EDUCATION: A survey of educational development from primitive times to the present, studying especially the systems of China, Greece, Rome, the Middle Ages, the Modern Period in Europe and America. Acquaintance will be sought with typical educational leaders and tendencies. Textbook, readings and discussions. Extra reading for graduate credit.

PROFESSOR LUMLEY. I (2) W. F. Hours to be arranged

2. INTRODUCTION TO RELIGIOUS EDUCATION: A study of principles and methods vital in moral and religious training, and of institutions for the promotion of religious education. The class will give special consideration to the Sunday school as an educative agency. Prerequisite, elementary course in Psychology.

II (2) W. F. 11:30

Other Courses.

The following courses offered by the professors of Butler College, when taken in accordance with the regulations given above, may be credited toward the B. D. degree:

PHILOSOPHY: Courses 6, 8, 9, 11.

ENGLISH: Courses 5, 6, 13, 15.

ECONOMICS: Courses 1, 5.

In addition to those listed in the several departments above, the following courses offered by the faculty of the College of Missions are

open to election, under the conditions stated elsewhere, by the students of Butler College. For fuller description of these courses see catalog of the College of Missions.

Courses in the College of Missions.

1. HISTORY OF SPECIFIC MISSION FIELDS: Japan. Designed especially for students preparing for work in Japan.
MR. OIWA. I (2)
2. HISTORY OF SPECIFIC MISSION FIELDS: China. Designed especially for students preparing for work in China
PROFESSOR PAUL. II (2)
4. HISTORY OF SPECIFIC MISSION FIELDS: India, Persia and the Near East. Designed especially for students preparing for work in India.
PROFESSOR MCGAVRAN. II (2)
- 7, 8. THE SCIENCE OF MISSIONS: A systematic survey of the general task of world evangelization—a study of missionary forces and principles in the light of the Church's experience. Lectures, abundant readings, discussions and reports.
PROFESSOR HURD. I II (2)
5. ANTHROPOLOGY: A study of man, his origin, nature, place in the universe, and his destiny in the light of modern science and the teachings of the Bible. The aim is to create an interest in the capacities and needs of man as man, to appreciate the value of human personality in such a way as to emphasize the reasonableness of the missionary obligation. Lectures, reports, discussions and extended readings.
PROFESSOR HURD. I (5)
6. ETHNOLOGY: A study of mankind in its tribal and racial diversity as the problem of missions. The early migrations, racial characteristics and geographical distribution of the peoples of the earth are studied in detail. Lectures, recitations, discussions and reports. Prerequisite, Anthropology.
PROFESSOR HURD. II (5)

9. **SOCIOLOGY:** An introductory course designed to give students a knowledge of the method, scope and purpose of this study. Text-book, lectures, readings and discussions. Prerequisite, Junior standing in Butler College. Supplemental readings for graduate credit.

PROFESSOR LUMLEY.

I (5) Daily 8:00

- 11, 12. **PRIMITIVE SOCIETY:** A systematic study of primitive social organization and evolution, based mainly on Ethnography and History. The mores, early forms and development of the industrial organization, arts, marriage and the family, government, and a brief introduction to primitive cults. The purpose is to give the student an extensive knowledge of primitive customs and social life, as recommended by Commission V of the Edinburgh Council. Readings, lectures and discussions. Under ordinary circumstances the courses in Anthropology and Ethnology and graduate standing are prerequisite.

PROFESSOR LUMLEY.

I, II (3)

14. **THE AMERICAN CITY:** This course will be carried along three lines: (1) The daily study of a textbook dealing with the chief problems of city life, with short tests on each section read. (2) Lectures dealing with eugenics, euthenics and religion as the chief methods of social reform and (3) each student will be required to do some personal investigating and embody the results in a brief paper. Prerequisite, Sociology 9, or its equivalent. Supplemental readings for graduate credit.

PROFESSOR LUMLEY.

II (5) 8:00

16. **THE COUNTRY LIFE MOVEMENT:** A systematic study of American rural social conditions, designed to give a broad foundation for (1) more intensive study of some particular rural problems, and (2) successful leadership in the country life movement. One or more text books will be assigned and brief regular tests will be given. Lectures and discussions. Prerequisite, Sociology 9, or its equivalent. Supplemental readings for graduate credit.

PROFESSOR LUMLEY.

II (3)

17. IMMIGRATION: An outline study of the sources and extent of immigration to the United States, the character of the immigrants and the methods of assimilation. The course is designed to give students a working basis for more intensive examination of the problems connected with this subject. Lectures, readings and discussions. Prerequisite, Sociology 9, or its equivalent. Supplemental readings for graduate credit.
PROFESSOR LUMLEY. I (2)
- [19. AMERICAN MISSIONS: An outline course to study the general Home Mission program of the church; methods of organization, fields entered and unoccupied, nature of the problems, interdenominational allies. Wide readings, discussions and papers.
PROFESSOR LUMLEY.]
- 21, 22. LINGUISTICS: (a) The science of language, (b) Phonetics, (c) Methods of studying and teaching languages.
PROFESSOR PAUL. I, II (2)
- [23, 24. CHINESE: Designed for those who plan to work in China.]
- 25, 26. JAPANESE: Designed for those who plan to work in Japan.
MR. OIWA. I, II (5)
- 27, 28. LANGUAGES OF INDIA: Designed for those who plan to work in India, Hindi and Ardu are offered in 1913-'14.
PROFESSOR MCGAVRAN. I, II (5)
- 29, 30. MEDICINE AND HYGIENE: (a) Elements of medicine, (b) Elements of surgery, (c) Tropical medicine and hygiene. I, II (5)

DEPARTMENT OF ART

MYRTLE LEWELLYN TAYLOR, Director.

This department offers class work to all students in College. It is separate from the College and charges its own fees, which are payable in advance. College credits are not granted for work done, although a record is kept of the courses satisfactorily completed. The courses offered are adapted to students and also to teachers wishing normal and supervisor work.

It is the aim of the department ultimately to establish a school in design. The Theory of Design and Composition, by Denman W. Ross, is used as text-book, while the design work is arranged in a series of problems, defining the principles which govern line, form and tone.

Each student registering for craft is expected to take the course in design.

Courses.

1. Water colors. Six studies. \$6.00.
2. Design, stencil cutting, color printing on textiles, three prints. \$6.00.
3. Pottery, building, moulding, three pieces. \$15.00.
4. China Painting. Powder colors used and the course in design required. \$6.00.
5. The class work in design consists of a course in pencil drawing, charcoal and water colors, and is intended for all students preparing for normal course work, as supervisors and teachers. This course is open to all regular students of the College at a charge of only \$1.00 for materials.

No student can register for more than three courses during a term.

NORMAL COURSE FOR TEACHERS

SESSION OF 1913.

MONDAY, MAY 12—SATURDAY, AUGUST 2.

GENERAL ANNOUNCEMENT.

Under the present school law of Indiana all teachers in the common schools of the State who begin their work after August 1, 1908, must have at least twelve weeks of professional training in an approved normal school or college. Teachers are divided, according to preparation, experience, success and character of license held, into three classes, A, B and C, and a maximum and minimum salary fixed for each class.

Butler College is accredited by the State Board of Education for the preparation of teachers in each of the three classes, A, B and C, provided for by the law. The special twelve-weeks' course herein announced is arranged for the benefit of those who desire to be enrolled this year under Class A, or to do additional work leading to enrollment in Classes B and C.

All graduates of commissioned or certified non-commissioned high schools, and those who have equivalent scholarship, who secure a license of twelve months, become by the completion of the Butler College twelve-weeks' normal course members of Class A, and are eligible to teach in any of the common schools of Indiana.

COURSES OF INSTRUCTION.

The following courses are open to all graduates of high schools and to other approved applicants. Those who expect to be enrolled as teachers in Class A are required to take courses 1 and 2,, and any one of courses 3, 4 and 5. No one, unless by special permission, will be allowed to take more than three courses. Courses 1 and 2 and one

other course give all the professional training required of teachers in Class A.

All courses consist of five recitations, of fifty minutes, each week for twelve weeks. Unless otherwise specified the instructors are regular members of the Butler College faculty.

Observation of work in the city schools of Indianapolis is arranged for and required in connection with all of the courses. As the Indianapolis schools are among the best in the United States, and the instructors in the Butler College normal course enjoy the hearty cooperation of the city schools, this part of the work is of great advantage, and is one of the most attractive features of the course.

Courses.

1. PRINCIPLES OF EDUCATION.

ASSISTANT PROFESSOR WALTER E. ERVIN.

2. PRINCIPLES OF TEACHING.

ASSISTANT PROFESSOR WALTER E. ERVIN.

3. TEACHERS' COURSE IN ENGLISH: Language, Grammar and Composition.

PROFESSOR MARK HARVEY LIDDELL.

4. TEACHERS' COURSE IN UNITED STATES HISTORY.

PROFESSOR CHRISTOPHER BUSH COLEMAN.

5. TEACHERS' COURSE IN ELEMENTARY MATHEMATICS.

PROFESSOR E. N. JOHNSON.

SUMMER SCHOOL

FACULTY.

DEAN.

THOMAS CARR HOWE, PH. D., President of Butler College.

DEPARTMENT OF ENGLISH.

WILLIAM WATKINS FROST, A. M., Formerly Professor of English, John B. Stetson University; Professor of English, State Normal School, Mankato, Minnesota.

DEPARTMENT OF MODERN LANGUAGES.

EDWARD M. GREENE, A. M., Professor of French, Butler College.

DEPARTMENT OF HISTORY AND CIVICS.

CHRISTOPHER BUSH COLEMAN, A. B., Professor of History, Butler College.

JAMES W. PUTNAM, PH. D., Professor of Economics and Political Science, Butler College.

DEPARTMENT OF EDUCATION.

WALTER E. ERVIN, A. M., Assistant Professor of Education, Butler College.

DEPARTMENT OF NATURE STUDY.

ROUSSEAU MCCLELLAN, A. B., Head of Department of Botany and Zoology, Shortridge High School, Indianapolis.

DEPARTMENT OF MATHEMATICS.

ELIJAH N. JOHNSON, A. M., M. S., Professor of Mathematics, Butler College.

DEPARTMENT OF CHEMISTRY.

JAMES BROWN, PH. D., Professor of Chemistry, Butler College.

CALENDAR.

June 23, Monday—Registration for Summer School.

June 24, Tuesday—Instruction begins.

August 1, Friday—Examinations begin.

August 2, Saturday—Examinations and close of Summer School.

GENERAL ANNOUNCEMENT.

Terms of Admission. There will be no formal examinations for admission. Students, both men and women, will be admitted to such courses as they are qualified to pursue to advantage. The regular class instruction of the Summer School will begin promptly on June 24. After July 7 no change of courses will be allowed, nor will credit for attendance be given to students entering after that date.

Students completing the work of any of the courses in the Summer School and passing examination thereon will be granted a certificate upon request. Regularly matriculated students of Butler College will receive college credits for work done in Summer School.

Fees. The regular fee will be \$10.00 for each major course, whether elementary or advanced, and \$6.00 for each minor course taken.

Students taking the course in Nature Study will be charged an additional fee of \$1.00, plus breakage or other damage to apparatus.

Fees must be paid at the time of registration.

When an announced course has not been applied for by at least five students, the instructor shall be at liberty to withdraw the course.

No student will receive credit for work amounting in value to more than two majors or four minors.

All classes meet on Monday, Tuesday, Wednesday, Thursday and Friday unless otherwise specified.

COURSES OF INSTRUCTION

ENGLISH.

PROFESSOR FROST.

1. **THE FORMS OF POETRY:** A course in poetics. The aim is something more than the analysis and classification of poetic forms and the study of the nature and elements of poetry. The course embraces the reading of many poetic types and a careful study of effects, with considerable attention to the style of particular poets. *Minor*
2. **THE SHORT STORY:** A course in the history, technique and modern development of the short story. The reading will consist of English and American stories, together with foreign masterpieces in translation. Current magazine stories will be discussed. Effort will be made to estimate the philosophy and the literary value and permanence of the authors and works studied. *Minor*

HISTORY AND ECONOMICS.

PROFESSOR COLEMAN.

PROFESSOR PUTNAM.

1. **POLITICAL HISTORY OF THE UNITED STATES UNDER THE CONSTITUTION, 1789-1898:** The object of this course is to make the larger political movements and leaders stand out as clearly as possible in their true historical perspective. No attempt is made to include many of the minor developments of the period. On the other hand, considerable attention is paid the whole or parts of the field, and to methods of teaching this part of the United States History. The course is intended primarily for teachers, but is not limited to them. *Minor*
PROFESSOR COLEMAN.

2. **INDUSTRIAL HISTORY OF THE UNITED STATES:** Emphasis will be laid on the industrial side of the subject, and the bearing of industrial development on politics will be pointed out. Such subjects as the rise and growth of the leading American industries, the commercial relations of the country, the tariff, westward expansion, internal improvements and financial and banking problems will receive consideration. A text will be used, supplemented by lectures, assigned readings and reports. *Major*
PROFESSOR PUTNAM.

ROMANCE LANGUAGES.

PROFESSOR GREENE.

Two of the following minors are offered on condition that at least twenty-five enroll for the two courses:

FRENCH 1: An elementary course in translation, grammar, composition, dictation and conversation. *Minor*

SPANISH 1: Similar to French 1. *Minor*

FRENCH 2. As advanced a course as the ability of the members of the class permits in translation of the best modern French novels, plays and poetry, and in composition and conversation. *Minor*

SPANISH 2: This course corresponds to French 2. *Minor*

FRENCH 3: A survey of French literature from the earliest times by means of lectures and by the reading, mostly in translations, of some of the landmarks in the development of the literature. Considerable collateral reading will be required, and a special topic will be assigned each member of the class for an essay. *Minor*

FRENCH 4: On request, a lecture and reading course will be given on the sixteenth, seventeenth, eighteenth or nineteenth century, or on special authors, as Rabelais, Racine, Moliere, Rousseau, Hugo, etc. *Minor*

EDUCATION.

ASSISTANT PROFESSOR ERVIN.

1. EDUCATIONAL PSYCHOLOGY: Development of childhood and youth; Mental; Motor; Intellectual; Emotional. Individuality and its significance in Education. Mental traits as affected by heredity, environment, sex and racial differences, etc. Psychology of learning. Conservation of the energies of pupils, fatigue, etc. Assigned readings and reports. Texts, Kirkpatrick's *The Individual in the Making*; Thorndyke's *Individuality*. *Minor*
2. PRINCIPLES OF TEACHING: General survey of historical and sociological influences on education and the teaching process. Application of the laws of psychology in: The teaching and learning process; school and classroom discipline and management; the curriculum and its administration; the rural school and its problems; assigned readings and reports; observation and discussion of schoolroom practice. Text, Strayer's *A Brief Course in the Teaching Process*. *Minor*

NATURE STUDY.

MISS MCCLELLAN.

1. A study of common plants and animals; identification of trees; life history of various insects; preparation of aquaria. Special attention will be given to the field study of birds, their nesting habits, migration, economic value; bird protection; suggestions for bird study in schools. Irvington offers an unusual opportunity for this work. Hodge's *Nature Study and Life* will be used for reference work.. A laboratory fee of \$1.00 will be charged. Lectures, laboratory and field work. This course will not be given for fewer than twenty students. *Major*

DESCRIPTIVE ASTRONOMY.

PROFESSOR JOHNSON.

- 1 The course is designed for those wishing a knowledge of the elements of astronomy. No mathematical preparation is necessary. In connection with the descriptive work, two or three nights of each week will be spent at the observatory. This time will be given to the study of the planets and their systems, the moon and its surface conditions, the brightness, colors and systems of stars, and the nebulae. The prominent stars and constellations will be located and studied. *Major*

CHEMISTRY.

PROFESSOR BROWN.

Chemistry courses will be given in various branches of the subject to suit the wants of the applicant. Special attention will be given to students preparing for medical courses, but provisions will be made for the needs of all students. The length of the term may be increased for those desiring more work than can be completed in the regular summer session. Fees for these courses will depend upon the work taken.

EXTENSION COURSES

IN COOPERATION WITH THE INDIANAPOLIS PUBLIC SCHOOLS.

OFFICERS AND INSTRUCTORS.

THOMAS CARR HOWE, President of Butler College.

JAMES WILLIAM PUTNAM, Secretary of Extension Courses.

EDWARD BAILEY BIRGE, Director of Music, Indianapolis Public Schools. (1912 N. Pennsylvania St., New Phone 6381.)

GEORGE HENRY DANTON, PH. D., Professor of Germanic Languages, Butler College. (21 S. Irvington Ave., Old Phone Irvington 66.)

EDWARD MARTIN GREENE, A. M., Assistant Professor of Romance Languages, Butler College. (5748 E. Michigan St., Old Phone Irvington 897.)

EDMUND HOWARD HOLLANDS, PH. D., Professor of Philosophy and Education, Butler College. (5326 University Ave., Old Phone Irvington 1052.)

JOHN SAMUEL KENYON, PH. D., Professor of English Literature, Butler College. (5339 University Ave., Old Phone Irvington 500.)

MARK HARVEY LIDDELL, A. M., Editor of the Elizabethan Shakspere, formerly Professor of English, University of Texas. (21 Whittier Place, Old Phone Irvington 998.)

ROUSSEAU McCLELLAN, A. B., Head of the Department of Biology and Physical Geography, Shortridge High School. (2304 N. Pennsylvania St., New Phone 6577.)

JAMES WILLIAM PUTNAM, PH. D., Professor of Political Science, Butler College. (40 S. Ritter Ave., Old Phone Irvington 218.)

EITEL RUSKIN RAY, A. M., Indianapolis Normal School. (3462 N. Meridian St., Old Phone North 1802.)

PETER SCHERER, Director of German, Indianapolis Public Schools. (203 N. Arsenal Ave., Old Phone Prospect 3503.)

ANNA FRANCES WEAVER, A. M., Instructor in Greek and German, Butler College. (635 N. Pennsylvania St., New Phone 2602.)

GENERAL ANNOUNCEMENT

The object of this department is to offer instruction in a limited number of college subjects to persons who can not attend the regular college classes. Classes are held once a week, either after the close of teaching and business hours or on Saturday. The work is of the same standard and character as ordinary college work. But, while the general purpose is culture and training in the methods and spirit of modern scholarship, many of the courses are so shaped as to be of direct use to those engaged in teaching in the public schools, in the study of art and literature, or in certain forms of business.

Admission. 1. Any one who has fulfilled the requirements for admission to Butler College is admitted as a *regular student*, i. e., as a candidate for a college degree.

2. Any one who, in the judgment of the instructor, is qualified to do the work which he desires to take, may be admitted to such work as an *unclassified student*. If later he becomes a regular student credits obtained in this department will apply toward a degree.

Fees. The fee for a full, or major, course for the year 1912-'13 will be \$10.00, and for a minor, or half, course, \$6.00. The fee for two consecutive minor courses, however, will be \$10.00, as for a single major. This is due upon registration and must be paid before final enrollment in any class.

Work Required and Credits. All work, unless otherwise stated, satisfactorily completed by regular students is credited by Butler College, and is recognized by other colleges. Thus work in this department counts toward a degree in any institution as fully as work done in residence. The amount of college credit received for each course is indicated under that course, the unit being a major, which means from forty-five to fifty-five hours of classroom work, or thirty exercises of an hour and a half or more each.

The Indianapolis Board of School Commissioners accepts work in these courses in lieu of the examinations for assistant principals' and principals' certificates, credit in each course completed giving exemption from one of the examinations required except in the case of the

physiography required for the principals' certificates, for which credit equal to a full college major is required.

Those not desiring credit, but wishing to attend the lectures, or engage in the work planned by the instructors, may enroll in any of the courses, subject to the consent of the instructor, and need not take examinations.

COURSES OF INSTRUCTION

The courses announced below are in some cases alternatives, those to be given depending upon the number of students desiring and enrolling for each. A student enrolling for a course not given may change or withdraw his enrollment.

GERMAN.

STUDIES IN CONTEMPORARY GERMAN AUTHORS: This course is open only to teachers of German in the grades. This work is conducted entirely in German and fluency in speaking, reading and writing German is a prerequisite. Lectures, outside reading and a term essay. *Major.* MR. SHERER.

Fridays, 4:00 p. m., Room 60, Shortridge High School.

FRENCH.

An elementary course will be given if taken by not less than ten students. *Major.* ASSISTANT PROFESSOR GREENE.

ENGLISH.

1. **ENGLISH COMPOSITION:** A study of the normal forms of current English in their relation both to colloquial idiom and to literary expression. Especial emphasis will be laid upon a ready command of the mother-tongue for the practical ends of everyday life. Illustrative material will be taken largely from current magazines and newspapers. A feature of the course will be the opportunity of discussing in conference such doubtful or vaguely understood forms of expression as present themselves in the daily contacts of pupil and teacher. *Major.* PROFESSOR LIDDELL
Saturdays, 10:15-11:45, Normal Room, Benjamin Harrison School.

2. **SHAKESPEARE:** An interpretation of the most important plays, with attention to their artistic qualities and structure, and to Elizabethan idiom and social conditions. *Major.*

PROFESSOR KENYON.

Tuesdays, 4:00-5:30, Room 4, Shortridge High School.

PHILOSOPHY AND EDUCATION.

ETHICS: An introductory course, in which the nature and pre-suppositions of moral ideas will be examined, in connection with the forms which they have taken at different times and places.

Textbook, lectures and discussions. *Major.* PROF. HOLLANDS.

Tuesdays, 4:00-5:30, Room 24, Shortridge High School.

HISTORY AND ECONOMICS.

INDUSTRIAL HISTORY OF THE UNITED STATES: Emphasis will be laid on the industrial side of the subject, and the bearing of industrial development on politics will be pointed out. Such subjects as the rise and growth of the leading American industries, the commercial relations of the country, the tariff, westward expansion, internal improvements and financial and banking problems will receive consideration. *Major.* PROFESSOR PUTNAM.

Tuesdays, 4:00-5:30, Room 9, Shortridge High School.

NATURE STUDY.

1. **NATURE STUDY:** A study of common plants and animals; identification of trees; field study of birds; life history of insects; preparation of aquaria. Hodge's Nature Study and Life will be used. The exact amount of college credit given is dependent in part upon the amount of field and laboratory work done. Lectures, laboratory and field work. *Major.* MISS MCCLELLAN.

Tuesdays, 3:45-5:15, Room 22, Shortridge High School.

MUSIC.

MUSICAL LITERATURE AND HARMONY: A practical course in chord classification, ear-training and musical appreciation. While of special interest to teachers in the public schools, the course is open to others. *Major.* MR. BIRGE.

Tuesdays, 4:00-5:30, Room 8, Shortridge High School.

COMMENCEMENT RECORD

1912.

DEGREES CONFERRED.

Bachelor of Arts.

AYRES, VIDA ELEANOR.	McCORD, MARY ELIZABETH.
BACHMANN, IRMA.	MARSH, CHESTER ADAM.
BOND, SARA MAE.	MARTIN, EMMA CATHERINE.
BROWDER, CLIFFORD HARRISON.	MARTIN, MAUDE ALICE.
CLARKE, IRA DOUP.	MOFFETT, THOMAS LEE.
CLIFFORD, OTIS JEANNETTE.	NELSON, WILLIAM VERNER.
DU VALLE, SYLVESTER HOWARD.	PAVEY, MARY CHRISTINE.
EMPSON, MATTIE.	PRICHARD, CLARENCE EDWARD.
FERN, GILBERT HORNEY.	REED, HELEN MARIE.
GANT, MABEL BANKS.	REIDENBACH, CLARENCE.
HUBBARD, MARY MARGUERITE.	SCHORTEMEIER, FREDERICK
LLOYD, ALLEN HENRY.	EDWARD.
LOGAN, LEON BUCKLES.	STILZ, MARY.
McCORD, ADILDA.	UNGER, WOOD.
	WELLING, CORINNE.

Master of Arts.

LEITCH, ANDREW.

CATALOG OF STUDENTS

ANNUAL SESSION ENDING JUNE 17, 1913.

GRADUATE STUDENTS.

CLIFFORD, EDWARD HALL.....	Indianapolis.
CROZIER, JENNY ENGLISH.....	Grand Rapids, Mich.
HAIGHT, ORAH FRANCES.....	Allegan, Mich.
JOHNSON, ROSE RUETTA.....	Nevada, Mo.
JOHNSTON, EDGAR ALLAN.....	Auburn, N. Y.
LEE, DORA MAY.....	Shelbyville.
MARTINDALE, HARRY HOWARD.....	Indianapolis.
RICE, RAY EVERETTE.....	Lincoln, Neb.
RUSSELL, EDITH MILLS.....	Lawrence, Kansas.
SCHAEER, HARRY.....	Cincinnati.

UNDERGRADUATE STUDENTS.

ADAM, ROBERT RUDOLPH.....	Indianapolis.
ADAMS, JOHN W.....	Indianapolis.
ANDERSON, JOHN SAMUEL.....	Indianapolis.
APPLEGATE, BONNIE IDA.....	Greensburg.
ARBAUGH, RUTH.....	Indianapolis.
ARMSTRONG, ROBERT DANIEL.....	Indianapolis.
ARNOLD, RALPH NORDACK.....	Greenfield.
ASKREN, FLORA MAUDE.....	Cumberland.
ATHERTON, ALBERT.....	Cumberland.
AXTELL, ROBERT D.....	Indianapolis.
BADGER, EVERETT H.....	Indianapolis.
BAKER, MARY ABIGAIL.....	Indianapolis.
BARNES, AMY HENRY.....	Indianapolis.
BARMFUHRER, ALTA ESTELLE.....	Indianapolis.
BARNETT, CHESTER BOYD.....	Indianapolis.
BARR, ALBERT KENNETH.....	Indianapolis.

BARR, BETH.....	Indianapolis.
BARR, GAIL.....	Indianapolis.
BECK, MARTHA SELMA.....	Indianapolis.
BEECHER, ALVA BRADEN.....	Indianapolis.
BENNETT, ETHEL LOUISE.....	Fountain City.
BENNETT, PAUL EMERSON.....	McCordsville.
BINZER, EDWARD.....	Indianapolis.
BONHAM, CARLOS WATKINS.....	Indianapolis.
BOOS, IDA BUEHLER.....	Indianapolis.
BOWSER, GLADYS.....	Indianapolis.
BOYER, MARGRETTE.....	Indianapolis.
BRADLEY, EDWARD CLARKE.....	Indianapolis.
BRADSHAW, ETHEL F.....	Bridgeport.
BRAGG, MARY COFFIN.....	Indianapolis.
BRAGINTON, MRS. FRED.....	Indianapolis.
BRAYTON, ALEMBERT W., JR.....	Indianapolis.
BREADHEFT, JESSIE GLADYS.....	Indianapolis.
BREWER, JANE ABIAH.....	Milwaukee, Wis.
BROWDER, NEWTON CLARENCE.....	Indianapolis.
BROWN, HAROLD AUSTIN.....	Bridgeport.
BRUNER, MURIEL.....	Wabash.
BRYANT, ANNA BOYD.....	Indianapolis.
BRYANT, MORTON DILLARD.....	Indianapolis.
BUCHANAN, HERBERT JACKSON.....	Indianapolis.
BUCK, ROBERT WILLIAM.....	Indianapolis.
BURGETT, EARL.....	Idaville.
BURKHARDT, CLARENCE WARE.....	Elwood.
BURKHARDT, HALLY CECIL.....	Indianapolis.
BURT, ANNA HOWELL.....	Indianapolis.
BUSSELL, JOHN CHASE.....	Glenwood.
CALDWELL, BRADEN.....	Indianapolis.
CALDWELL, HOWARD CLAY.....	Indianapolis.
CALLAWAY, BESS.....	Indianapolis.
CAMPBELL, MRS. W. S.....	Indianapolis.
CAREY, RUTH HULDA.....	Carmel.
CARTER, FLORA J.....	Indianapolis.

CARTER, LUCILE ANNA.....	Indianapolis.
CARTER, RUTH BELLE.....	Indianapolis.
CASE, PERRY.....	Morristown.
CHELEA, HAGIN HRIEST.....	Turkey.
CHRISTIAN, THOMAS.....	Lebanon.
CLARKE, CLARENCE HUBERT.....	Edinburg.
CLARKE, ELTON RUSSELL.....	Indianapolis.
COBLE, MARY FREDA.....	Lebanon.
COLLINS, CECIL BEAUMONT.....	Gwynneville.
COLLINS, HAZEL LOTUS.....	Indianapolis.
CONRAD, WILLIAM ATLEE.....	Decatur.
COOPER, EDITH IRENE.....	Middletown.
COULON, LEILA MAY.....	Indianapolis.
CRITCHLOW, MARY LOUISE.....	Kokomo.
CUNNINGHAM, RUTH ELIZABETH.....	Indianapolis.
CURME, MARJORIE CONVERSE.....	Indianapolis.
CURRY, IDELLE FAIRFIELD.....	Southport.
DAMERON, MRS. IDA JEANS.....	San Francisco, Calif.
DANIELS, ELVIN EARL.....	Indianapolis.
DAVIS, ELSIE ALMA.....	Greenfield.
DAVIS, MARGARET.....	Indianapolis.
DAVIS, VANGIE BREWER.....	Lizton.
DAVISON, FRANK ELON.....	Indianapolis.
DE FLON, CHARLES.....	Indianapolis.
DENSFORD, RUTH ELIZABETH.....	Crothersville.
DIETZ, HARRY FREDERICK.....	Indianapolis.
DOTY, IRENE.....	West Newton.
DUNN, ALICE LUCILLE.....	Indianapolis.
EATON, EVA LOIS.....	Bridgeport.
EATON, VERNET ELLER.....	Castleton.
ECKMAN, GRACE.....	Indianapolis.
EICKHOFF, EDITH FREDA.....	Julietta.
ELDER, ORA.....	Indianapolis.
EMMERICH, GERTRUDE.....	Indianapolis.
EPPERT, GERALDINE.....	Indianapolis.
EVERSON, LENORE.....	Indianapolis.

FARMER, EARL STAPHORD, JR.....	Indianapolis.
FELT, ELSIE REBECCA.....	Indianapolis.
FELT, MABLE MELSENA.....	Indianapolis.
FERGUSON, CHARLOTTE H.....	Indianapolis.
FIERS, FOREST LELAND.....	Redkey.
FILLMORE, GEORGIA.....	Indianapolis.
FINDLAY, KATHARINE IDA.....	Indianapolis.
FINLEY, MARGARET ALMETA.....	Indianapolis.
FISCHHABER, MERLE.....	Brazil.
FORSYTHE, HAIDEE ALICE.....	Indianapolis.
FORT, AGNES.....	Greenfield.
FORTNER, EDITH ELIZABETH.....	New Augusta.
FOSTER, HERMAN MCCALLISTER.....	Spencer.
FOX, ABNER MCKINDRAD.....	Indianapolis.
FULTON, CHARLES EVERETT.....	Oaklandon.
FRY, JUNE VIRGINIA.....	Indianapolis.
FYE, ELMER FRANKLIN.....	Cumberland.
GARNER, VANCE NELLIE.....	Brownsburg.
GAWNE, JEANNETTE WRIGHT.....	Indianapolis.
GAWNE, KATHARINE.....	Indianapolis.
GAY, HAZEL.....	Indianapolis.
GILPIN, FERLAND.....	Indianapolis.
GLASGOW, ELMER CLIFTON.....	Columbus.
GLENDENNING, JOHN LINCOLN.....	Indianapolis.
GOAR, PAUL CHURCHILL.....	Indianapolis.
GOOD, JOHN CHARLES.....	Indianapolis.
GOODMAN, LAZURE LESTER.....	Indianapolis.
GOTH, GENEVIEVE.....	Indianapolis.
GRAHAM, MARY ELLEN.....	Indianapolis.
GRAVES, A. H. MERRIAM.....	Indianapolis.
GRAY, CHARLES EDWIN.....	Brownsburg.
GREELY, SUE.....	Indianapolis.
GRIFFIN, ELEANOR.....	Indianapolis.
GRIFFITH, MARGARET LOUISE.....	Indianapolis.
GROENWOLDT, JULIA ANN.....	Indianapolis.
GUERNSEY, LOUISE.....	Indianapolis.

HABBE, EDITH.....	Indianapolis.
HACKER, WILLIAM ELDRIDGE.....	Columbus.
HALL, BERNIECE.....	Indianapolis.
HALL, MARJORIE.....	Indianapolis.
HAM, GUINEVERE.....	Shirley.
HAMP, ROBERT JOHANNIS.....	Indianapolis.
HAND, HELEN ROGERS.....	Indianapolis.
HANDY, CLIFFORD WILLIAM.....	Indianapolis.
HARRIS, LESLIE EARL.....	Indianapolis.
HARRIS, VERNA.....	Indianapolis.
HARRISON, CARLOS EVANS.....	Indianapolis.
HARROD, LAURA FERN.....	Indianapolis.
HARRY, MARY GWYNETH.....	Elwood.
HARTLEY, HILDA MARIE.....	Indianapolis.
HARTLEY, JAMES WORTH.....	Indianapolis.
HARVEY, DELLA MOZELLE.....	Zionsville.
HARVEY, HUBERT BENNET.....	Cumberland.
HASELTINE, FRIEDA PAULINE.....	Kokomo.
HASTINGS, DANIEL ADOLPHUS.....	Springfield, Jamaica.
HEDGES, JANE ANNETTE.....	Indianapolis.
HEIDERGOTT, ANNA.....	Indianapolis.
HERNANDEZ, REEMBERTO ARMANDO.....	Indianapolis.
HESSONG, SYLVIA ELIZA.....	Nora.
HESTER, ELIZABETH ORAM.....	Indianapolis.
HIGHAM, ELMO BENTON.....	Milton.
HILL, FRANCES LEOLA.....	Indianapolis.
HILL, HARRIET.....	Indianapolis.
HILLS, DOROTHY.....	Indianapolis.
HINKLE, RAYMOND LUTHER.....	Indianapolis.
HOGSETT, GEORGE YATES.....	Rushville.
HOOVER, BEATRICE RACHEL.....	Bridgeport.
HOPPER, NANNIE FLICKNER.....	St. Louis, Mo.
HOSS, PAULINE.....	Kokomo.
HUGHEL, MARY LOUISE.....	Indianapolis.
HUGHES, MARY BLANCHE.....	Brownsburg.
HURST, GLADYS HELENE.....	Indianapolis.
HYDE, FANNIE VIOLET.....	Indianapolis.

INGERSOLL, SELMA MARTHA.....	Graysville.
IRELAND, ELMA CLEMENTINE.....	Monterey.
JACKSON, MARY MARIAN.....	New Palestine.
JACOBS, FRED HARVEY.....	Bargersville.
JAMES, MARY ELA.....	Indianapolis.
JAMESON, KATHARINE MERRILL.....	Indianapolis.
JEFFRIES, LORENE.....	Indianapolis.
JOHNS, EVERTS.....	Noblesville.
JOHNSON, ROBERT RAYMOND.....	Indianapolis.
JOHNSTON, INEZ VERNETTE.....	Indianapolis.
JONES, RAY VAUGHN.....	Cromwell.
KARABELL, CHARLES.....	Indianapolis.
KASSEBAUM, WILLIAM CLAUDE.....	Indianapolis.
KAUTZ, DOROTHY.....	Kokomo.
KEEFAUVER, RUBY MAY.....	Indianapolis.
KEELING, HALSEY R.....	Hillsboro, Ind.
KEITH, FRANCES.....	Indianapolis.
KELLEMS, ANSON.....	Indianapolis.
KENNEY, KATHARINE.....	Indianapolis.
KENNINGTON, ROBERT EDWARD.....	Indianapolis.
KINCAID, MARTHA MAY.....	Indianapolis.
KINDER, HILDA.....	Greenfield.
KIRKHOFF, LOUIS NAPOLEON.....	Indianapolis.
KNAUER, FRED F.....	Indianapolis.
KOEHRING, VERA LOUISE.....	Indianapolis.
KOSS, FAY MARGARET.....	Indianapolis.
KRAMER, RAYMOND CHAMBERLIN.....	Indianapolis.
KUHN, MILDRED.....	Indianapolis.
LEE, RUBY.....	Indianapolis.
LETT, HARRY FRANKLIN.....	Wheatland.
LEWIS, EDWIN JOSEPH.....	Indianapolis.
LITTLE, JOHN GROVER.....	Cumberland.
LIVENGOD, AVOLENE HAZEL.....	Covington.
LOCKHART, ARTHUR WILLIAM.....	Indianapolis.
LOFTIN, RUTH ELLA.....	New Augusta.
LORBER, HARRY ALBERT.....	Indianapolis.
LOSCHÉ, ALBERT HENRY WILLIAM.....	Indianapolis.

McBRIDE, JOHN FRANK.....	Indianapolis.
McBRIDE, MARY SYFERS.....	Indianapolis.
McCALLUM, JOSEPH THOMAS CAREY.....	Melbourne, Australia.
McCASH, STELLA VAN ZANDT.....	Cincinnati, Ohio.
McCLAIN, RALPH.....	Indianapolis.
McCLELLAN, HEZZIE.....	Columbus.
McCLURE, ROBERT LOCKE.....	Indianapolis.
McCOLLOUGH, CHARLES EVERETT.....	Fowler.
McCOLLOUGH, EVA CLARISSA.....	Stockwell, Ind.
McCONNELL, ALVA EDISON.....	Lawrence.
McCORD, ELLA JANE.....	Attica.
McDERMOTT, WILLIAM FRANCIS.....	Indianapolis.
McGHEHEY, LEROY PERRY.....	Castleton.
McGINNIS, ARCHIBALD.....	Indianapolis.
McLAIN, EMMA MAE.....	Southport.
McLAIN, ETTA RAE.....	Southport.
McLAUGHLIN, DOROTHY BALL.....	Indianapolis.
MACLEOD, RODERICK ALEXANDER.....	Indianapolis.
McMURRAY, ELLEN OWSLEY.....	Indianapolis.
McMURRAY, FLOYD IVAN.....	Nineveh.
MANNON, RONDAL MARQUIS.....	Greenfield.
MARLETTE, EDNAH MAY.....	Monrovia.
MARTIN, SARA V.....	Indianapolis.
MASTERS, ROBERT JOHN.....	Indianapolis.
MATHEWS, MURRAY.....	Riverside, California.
MAXWELL, IRIS ENOLIA.....	Indianapolis.
MEAD, CHARLES RAYMOND.....	Castleton.
MEANS, KARL STONE.....	Indianapolis.
MEREDITH, CHARLES HOWARD.....	Indianapolis.
MILES, RUTH.....	Indianapolis.
MILLER, ADA NAOMI.....	Lawrence.
MILLER, JOSEPHINE MAY.....	Indianapolis.
MILLER, LILLIAN ESTHER.....	Indianapolis.
MILLER, WILLIAM THEODORE.....	Indianapolis.
MILLIKAN, CLEO GENEVA.....	Indianapolis.
MILLS, WILLIAM CHARLES.....	Indianapolis.
MINTON, RALPH CARLETON.....	Indianapolis.

MOFFAT, JOHN HOFFECKER.....	Indianapolis.
MOLLENKOPF, MARY JOSEPHINE.....	Castleton.
MOORE, JESSIE.....	Indianapolis.
MORGAN, JOHN JAMES.....	Rensselaer.
MORRIS, MINABEL.....	Indianapolis.
MORRISON, LENA BELLE.....	Lebanon.
MUELLER, HANNAH CAROLINE.....	Indianapolis.
MULLANE, DANIEL FRANCIS.....	Indianapolis.
MURPHY, FRANCES ELIZABETH.....	Southport.
NESBIT, MAUDE ELIZABETH.....	Freeport. Ill.
NICHOLAS, WILBUR HARRISON.....	Indianapolis.
NIX, ELSE MARGARET.....	Indianapolis.
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YOUNG, BERNICE.....	Indianapolis.

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	<hr/>
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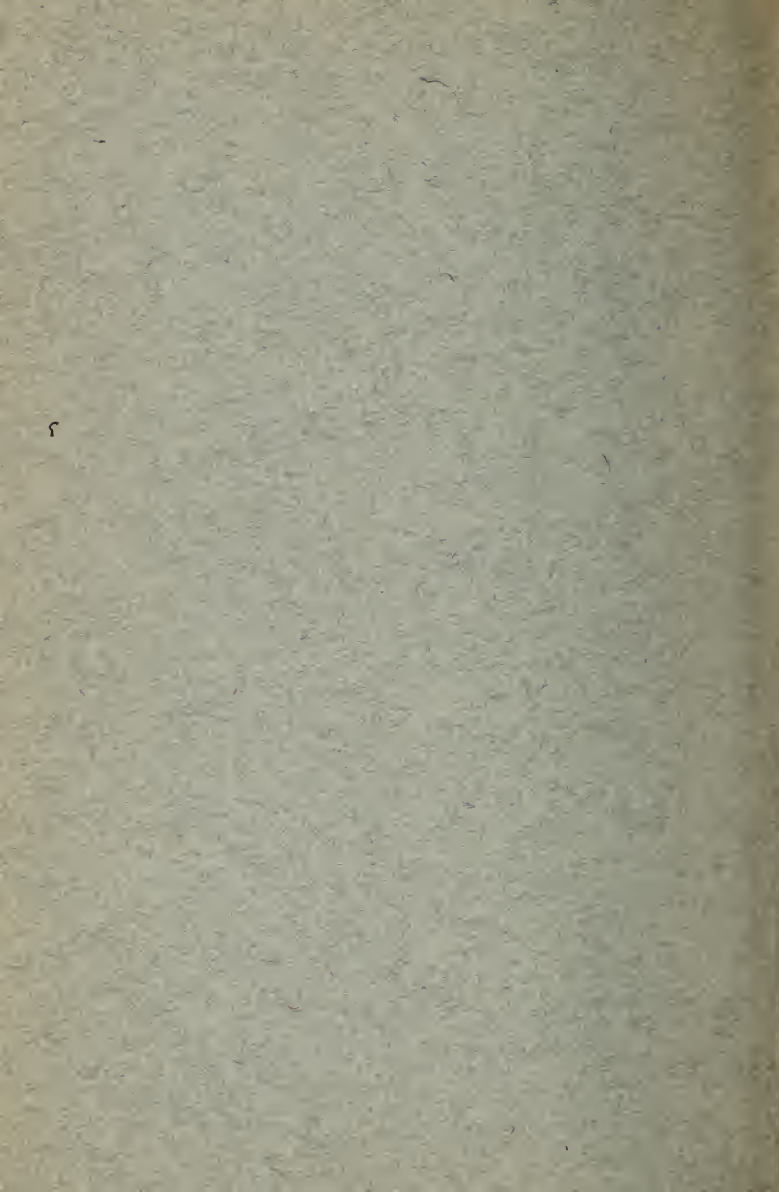
13/14

UNIVERSITY OF ILLINOIS

BUTLER COLLEGE BULLETIN

ANNUAL CATALOG FOR 1913-'14
ANNOUNCEMENTS FOR 1914-'15

INDIANAPOLIS, INDIANA



BUTLER COLLEGE BULLETIN

Vol. I

Indianapolis, Ind., March, 1914

No. 3

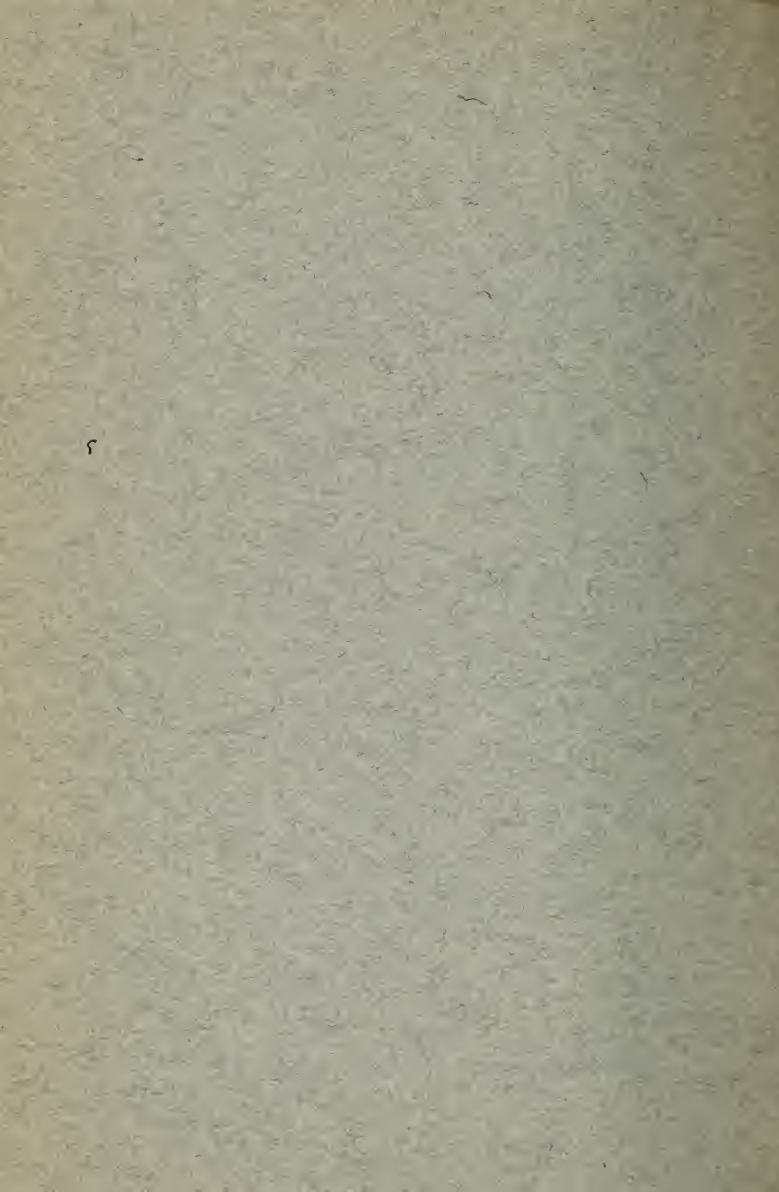
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INDIANAPOLIS, INDIANA

SCHOOLS ASSOCIATED WITH BUTLER COLLEGE

Indiana Law School.

JAMES A. ROHBACH, A. M., LL. B., Dean.

As a location for a law school Indianapolis has no superior. All the courts of the State and also United States Circuit and District Courts are in almost continuous session here during the school year, and the student has opportunities to watch the progress of all sorts of litigation in courts of all grades. For catalog and further information, address the Dean, 1117 Law Building, Indianapolis.

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GEORGE EDWIN HUNT, M. D., D. D. S., Dean.

The college occupies its own building, which was erected for the purpose, on the southwest corner of Meridian and North streets, centrally located and easily accessible from all parts of the city. The growth of the college has been steady and sure, indicating its worth as an educational institution. For catalog address Indiana Dental College, Indianapolis.

COLLEGE CALENDAR

SUMMER TERM, 1914.

June 15.....Monday.....Registration.
June 16.....Tuesday.....Instruction Begins.
July 24, 25.....Friday, Saturday.....Examinations and Close of Summer Term.

FIRST SEMESTER.

Sept. 16, 17.....Wednesday, Thursday...Registration.
Sept. 18.....Friday.....Instruction Begins.
Nov. 26.....Wednesday, 4 P. M.....Thanksgiving Holiday Begins.
Dec. 1.....Tuesday, 8 A. M.....Thanksgiving Holiday Ends.
Dec. 19.....Saturday, 4 P. M.....Christmas Vacation Begins.
Jan. 5, 1915.....Tuesday, 8 A. M.....Christmas Vacation Ends.
Jan. 26, 27, 28, 29, 30...Tues., Wed., Thurs., Fri., Sat...Examinations.

SECOND SEMESTER.

Feb. 3, 4.....Wednesday, Thursday...Registration.
Feb. 5.....Friday.....Instruction Begins.
Feb. 7.....Sunday.....Founder's Day.
April 1.....Thursday, 4 P. M.....Easter Vacation Begins.
April 6.....Tuesday, 8 A. M.....Easter Vacation Ends.
June 3, 4, 5, 7, 8...Thurs., Fri., Sat., Mon., Tues...Examinations.
June 9.....Wednesday.....Alumni Reunion and Class Day.
June 10.....Thursday.....Sixtieth Annual Commencement.

SUMMER TERM, 1915.

June 14.....Monday.....Registration.
June 15.....Tuesday.....Instruction Begins.
July 23, 24.....Friday, Saturday.....Examinations and Close of Summer Term.

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Ph. B., Butler College, 1889; A. M., *ibid.*, 1893; Student, University of Berlin, 1890-'92; Graduate Student, Harvard University, 1896-'99; A. M., *ibid.*, 1897; Ph. D., *ibid.*, 1899; Instructor in German, *ibid.*, 1898-'99; Instructor in German and Latin, Butler College, 1889-'90; Armstrong Professor of Germanic Languages, *ibid.*, 1890-1910; Dean, Butler College, 1907-'08; President, Butler College, 1908- —.

SCOT BUTLER, A. M., LL. D., Professor of Latin Language and Literature, Emeritus. (124 Downey Avenue.)

A. B., Northwestern Christian University, 1868; A. M., *ibid.*, 1870; Student Classical Philology, University of Halle, and University of Berlin, 1873-'75; LL. D., Butler College, 1896; Instructor in Latin and Mathematics, Indiana University, 1869-'72; Professor of Latin, Butler College, 1871-1907; President, Butler College, 1891-1904; 1906-'07.

HENRY LANE BRUNER, Ph. D., Professor of Biology and Geology. (324 South Ritter Avenue.)

A. B., Abingdon College, 1880; Student Sheffield Scientific School, Yale College, 1880-'81; Assistant in Marine Investigations of U. S. Commission of Fish and Fisheries, 1881-'84; Student of Comparative Anatomy, University of Freiburg, Baden, 1895-'97; Ph. D., *ibid.*, 1896; George Leib Harrison Research Fellow in Zoology, University of Pennsylvania, 1910-'11; Professor of Natural Sciences, Abingdon College, 1881-'84; Professor of Natural Sciences, Eureka College, 1884-'86; Professor of Biology and Geology, Drake University, 1891-'92; *idem*, Butler College, 1892- —.

JABEZ HALL, A. M., Professor of Homiletics and Theology. (28 South Irvington Avenue.)

A. B., Bethany College, 1865; A. M., Butler College, 1898; Pastor Christian Church, Wheeling, West Virginia, 1866-'72; Cleveland, Ohio, 1872-'89; Richmond, Virginia, 1889-'97; Professor of Homiletics and Theology, Butler College, 1897- —.

CHRISTOPHER BUSH COLEMAN, A. B., B. D., Vice-President, Professor of History. (33 Downey Avenue.)

A. B., Yale University, 1896; Auburn Theological Seminary, 1896-'97; Chicago Theological Seminary, 1897-'98; Divinity School, The University of Chicago, 1898-'99; B. D., *ibid.*, 1899; Student, University of Berlin, 1904-'05; Student, Columbia University, 1911-'12; Professor of Church History and Acting Professor of History, Butler College, 1900-'09; Professor of History, *ibid.*, 1909- —.

ELIJAH NEWTON JOHNSON, A. M., M. S., Professor of Mathematics. (304 Downey Avenue.)

A. B., Drake University, 1893; A. M., *ibid.*, 1895; M. S., University of Kansas, 1904; Professor of Mathematics, Campbell University, 1893-1903; Graduate Student in Mathematics and Astronomy, The University of Chicago, 1902-'03; Graduate Student in Mathematics and Physics, University of Kansas, 1903-'04; Graduate Student in Mathematics and Astronomy, The University of Chicago, 1905; Acting Professor of Mathematics, Butler College, 1904-'09; Professor of Mathematics, *ibid.*, 1909- —.

JOHN SAMUEL KENYON, Ph. D., Professor of English. (5339 University Avenue.)

A. B., Hiram College, 1898; A. M., The University of Chicago, 1903; Fellow in English, *ibid.*, 1903-'04; University Scholar, Harvard University, 1905-'06; Thayer Scholar, *ibid.*, 1906-'07; Teacher, Public Schools, Medina, Ohio, 1892-'93; Teacher of Greek, Latin and English, West Kentucky College, 1898-'99; Professor of Greek and Hebrew, Christian University, Canton, Missouri, 1899-1901; Assistant in English, Harvard University, 1905-'06; Ph. D., *ibid.*, 1908; Lecturer in English Language and Literature, Summer School, The University of Wooster, 1910 and 1911; Professor of English, Butler College, 1906- —.

CATHARINE MERRILL GRAYDON, A. M., Catharine Merrill Professor of English Literature. (303 Downey Avenue.)

A. B., Butler College, 1878; A. M., Indiana University, 1883; Instructor, Indiana University, 1883-'84; Graduate Student, Radcliffe, 1885-'86; Professor of Greek, Hastings, Nebraska, College, 1888-'91; Instructor, High School, Oakland, California, 1891-'98; Graduate Student, The University of Chicago, 1898-'99; Professor of English, Oahu College, Honolulu, 1900-'07; Acting Professor of Greek, Butler College, 1907-'09; Catharine Merrill Professor of English Literature, *ibid.*, 1909- —.

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Ph. B., Illinois College, 1894; Graduate Student, The University of Chicago, 1895, and Summer Quarters, 1897, 1900, 1901 and 1903; Instructor in History and Political Science, Illinois College, 1894-'98; Assistant Professor (in charge) of History and Economics, *ibid.*, 1898-1903; Fellow, Cornell University, 1902-'03; A. M., *ibid.*, 1903; Assistant and Graduate Student, University of Wisconsin 1903-'04; Ph. D., *ibid.*, 1909; Instructor in Economics and Sociology, Northwestern University, 1904-'06; Instructor in Economics, University of Missouri, 1906-'09; Professor of Economics and Political Science, Butler College, 1909- —.

GEORGE HENRY DANTON, Ph. D., Armstrong Professor of Germanic Languages. (125 Downey Avenue.)

A. B., Columbia University, 1902; Assistant in Comparative Literature, *ibid.*, 1902-'03; Austin Teaching Fellow in German, Harvard University, 1903-'04; Ottendorfer Fellow (New York University) Student, Berlin and Munich, 1904-'05; Ph. D., Columbia University, 1907; Instructor in German, College for Women, Western Reserve University, 1905-'07; Acting Assistant Professor of German, Leland Stanford, Jr., University, 1907-'10; Armstrong Professor of Germanic Languages, Butler College, 1910- —.

HENRY MILLS GELSTON, A. B., Professor of Latin Language and Literature. (325 Burgess Avenue.)

A. B., University of Michigan, 1900; Student, American School of Classical Studies, Rome, 1900-'01; Teacher of Latin, High School, Bay City, Michigan, 1901-'06; Graduate Student of Classics, University of Michigan, 1906-'10; Acting Professor of Latin Language and Literature, Butler College, 1910-'11; Professor of Latin Language and Literature, *ibid.*, 1911- —.

WILLIAM CHARLES MORRO, Ph. D., Reeves Memorial Professor, Head of the Department of Ministerial Education. (59 North Irvington Avenue.)

A. B., Transylvania University, 1898; A. M., *ibid.*, 1903; B. D., Yale University, 1904; Ph. D., Harvard University, 1906; Williams Fellow, Harvard University, 1905-'06; Professor of Christian History and Doctrine, College of the Bible, Lexington, Kentucky, 1906-'11; Dean, *ibid.*, 1910-'11; Reeves Memorial Professor, Head of the Department of Ministerial Education, Butler College, 1911- —.

JAMES BROWN, Ph. D., Professor of Chemistry. (5372 East Washington Street.)

A. B., Yale University, 1902; A. M., *ibid.*, 1903; Ph. D., *ibid.*, 1905; Assistant Instructor in Chemistry, Yale University, 1903-'05; Professor of Chemistry and Physics, Illinois College, 1905-'08; Professor of Chemistry and Physics, William and Vashti College, 1908-'11; Graduate Student, University of Chicago, Summer Quarters, 1906, 1908-'11; Professor of Chemistry, Butler College, 1911- —.

CHARLES EUGENE UNDERWOOD, Ph. D., Professor of Old Testament Language and Literature. (70 Layman Avenue.)

A. B., Butler College, 1903; A. M., *ibid.*, 1904; A. M., Yale University, 1910; Ph. D., *ibid.*, 1912; Pastor, Summitville, Indiana, 1904-'05; Pastor, Fourth Christian Church, Indianapolis, 1906-'07; Graduate Student, Yale University, 1907-'10; Director Religious Education, City of New Haven, 1907-'08; Acting Professor Old Testament Language, Literature, and Interpretation, Bible College of Missouri, 1910-'11; Professor New Testament Language, Literature and Interpretation, *ibid.*, 1911-'12; President, Professor of New Testament Language and Literature, Eureka College, 1912-'13; Professor of Old Testament Language and Literature, Butler College, 1913- —.

ELIJAH JORDAN, Ph. D., Professor of Philosophy. (5331 Lowell Avenue.)

A. B., Indiana University, 1907; Graduate Scholar, Sage School of Philosophy, Cornell University, 1907-'08; A. M. *ibid.*, 1908, Graduate Student and Fellow in Philosophy, University of Wisconsin, 1908-'09; Graduate Student and Fellow in Philosophy, University of Chicago 1909-'11; Ph. D., *ibid.*, 1911; Assistant in Philosophy, Cornell University, 1911-'12; Instructor in Philosophy, Cornell University, 1912-'13; Professor of Philosophy, Butler College, 1913- —.

EDWARD MARTIN GREENE, A. M., Assistant Professor of Romance Languages. (5748 East Michigan Street.)

A. B., Harvard University, 1903; Student at Rouen, France, 1896-'97; Instructor in German, High School, Watertown, Massachusetts, 1903-'05; Head

of the French Department, Cheshire School, Cheshire, Connecticut, 1905-'07; Head of the French Department, Hotchkiss School, Lakeville, Connecticut, 1907-'09; Teaching Fellow in French, University of Wisconsin, 1909-'10; A. M., *ibid.*, 1910; Graduate Student, University of Rennes, 1913-'14; Assistant Professor of Romance Languages, Butler College, 1910- —.

ANNA FRANCES WEAVER, A. M., Assistant Professor of Greek, and Instructor in German. (635 North Pennsylvania Street.)

A. B., Leland Stanford, Jr., University, 1898; A. M., *ibid.*, 1899; Student, Universities of Leipzig and Zurich, 1899-'01; Fellow and Instructor in Greek, Leland Stanford, Jr., University, 1902-'03; Principal, Private School, Logansport, Indiana, 1903-'06; Joint Principal, Girls' Classical School, 1906-'10; Instructor in Greek and German, Butler College, 1910-'14; Assistant Professor of Greek, 1914- —.

LANDER MACCLINTOCK, A. M., Acting Assistant Professor of Romance Languages. (28 Downey Avenue.)

A. B., The University of Chicago, 1910; A. M., *ibid.*, 1913; Student, University of Paris, 1909-'10; Acting Assistant Professor of Romance Languages, Butler College, 1913-'14.

CHARLES THOMAS PAUL, A. M., Professor of Missionary History and Linguistics, College of Missions. (5448 University Avenue.)

A. B., Hiram College, 1901; Graduate Student in Philosophy and Romance Languages, Western Reserve University, 1902; A. M., Hiram College, 1902; Professor of Modern Languages, Hiram College, 1900-'05; Professor of English, Christian College (The University of Nanking), Nanking, China, 1905-'06; Professor of Modern Languages and Director Department of Missionary Service, Hiram College, 1906-'10; President, College of Missions, 1910- —.

HARRY CLARK HURD, A. M., M. D., Professor of Anthropology and Missionary Science, College of Missions. (5446 University Avenue.)

A. B., Hiram College, 1899; M. D., Miami Medical College, University of Cincinnati, 1902; A. M., Hiram College, 1912; Assistant Professor, Department of Missionary Service, Hiram College, 1909-'11; Professor of Anthropology and Missionary Science, College of Missions, 1911- —.

FRED ELMORE LUMLEY, B. D., Ph. D., Professor of Social Science, College of Missions. (5442 University Avenue.)

A. B., Hiram College, 1905; A. M., McMaster University, Toronto, Canada, 1907; B. D., Yale Divinity School, 1909; Ph. D., Yale University, 1912; Principal Sinclair College, St. Thomas, Ontario, 1906-'08; Assistant in Anthropology, Yale University, 1909-'12; Honorary University Fellow, Yale University, 1910-'12; Professor of Social Science, College of Missions, 1912- —.

JOHN GRAFTON MCGAVRAN, A. M., Professor of Comparative Religion and Indian Languages, College of Missions. (5440 University Avenue.)

A. B., Bethany College, 1891; Missionary to India, 1891-1910; Examiner in Hindi Language, 1907-'10; A. M., University of Michigan, 1911; Professor of Comparative Religion and Indian Languages, College of Missions, 1913- —.

EVELYN BUTLER, A. B., Instructor in English. (Butler College Residence.)

A. B., Butler College, 1893; Graduate Student, The University of Chicago Summer School, 1895 and 1896; Graduate Student, University of Wisconsin, Summer 1900; Instructor in Butler College Preparatory Department, 1895-1900; Teacher of English, Anderson High School, 1900-'02; Teacher of English, Portland, Indiana, High School, 1902-'04; Head of English Department, Lewiston, Idaho, High School, 1904-'08; Head of English Department, New Mexico State Normal School, 1909-'12; Instructor in English and Head of College Residence, Butler College, 1912- —.

JOHN RALPH KUEBLER, A. B., Instructor in Physics and Assistant in Chemistry. (5363 University Avenue.)

A. B., Indiana University, 1912; Graduate Student, *ibid.*, Summer 1912; Instructor in Physics and Assistant in Chemistry, Butler College, 1912- —.

BARCUS TICHENOR, A. B., Instructor in English. (276 South Audubon Road.)

A. B., Butler College, 1911; Instructor in English, *ibid.*, 1913- —.

HARVEY B. STOUT, JR., LL. B., Instructor in Forensics. (Thirty-first Street and Broadway.)

LL. B., Indiana Law School, 1907; Special Student in Forensics, University of Michigan, Summer 1907; Professor of English and Forensics, McMinnville College, Oregon, 1907-'08; Professor of Forensics, Dallas College, Oregon, 1908-'09; Lecturer on Legal Forensics, American Central Law School, 1909- —; Instructor in Forensics, Butler College, 1909- —.

RICHARD MELLER, Director of Physical Training. (Independent Turnverein.)

Graduate Student, Normal College of N. A. G. U., 1904; thirteen years teaching, Buffalo, N. Y.; eight years with New York Turnverein; In charge U. T. V., Indianapolis, 1912- —; Director of Physical Training, Butler College, 1913- —.

CHARLOTTE FERGUSON, Librarian.

Officers of the Faculty.

THOMAS C. HOWE.....	President
CHRISTOPHER B. COLEMAN.....	Vice-President
JAMES W. PUTNAM.....	Registrar and Secretary
JOHN S. KENYON.....	Examiner
ELIJAH N. JOHNSON.....	Adviser
HENRY L. BRUNER.....	Curator of Museum
SARAH E. COTTON	Assistant to the President

Faculty Committees.*Graduate Studies.*

PROFESSORS COLEMAN, BRUNER, HALL, KENYON, MORRO.

Debate and Oratory.

PROFESSORS KENYON, COLEMAN, UNDERWOOD.

College Paper.

PROFESSORS BRUNER, DANTON, UNDERWOOD.

Athletics.

PROFESSORS JOHNSON, GELSTON, AND LOUIS J. MORGAN, Alumni Member.

Class Standing.

PROFESSOR GELSTON, ACTING ASSISTANT PROFESSOR MACCLINTOCK.

Chapel Exercises and Religious Associations.

PROFESSORS PUTNAM, MORRO.

Student Affairs.

PRESIDENT AND PROFESSORS KENYON, PUTNAM, GRAYDON.

Library.

PROFESSORS COLEMAN, KENYON, JORDAN.

Auditing.

PROFESSORS JOHNSON, GELSTON, AND SECRETARY BUTLER, *ex officio*.

Special Studies.

PRESIDENT, REGISTRAR, EXAMINER, AND ADVISER.

Schedule.

PROFESSORS JOHNSON, DANTON, GELSTON.

HISTORICAL SKETCH

Butler College operates under a special charter granted by the Indiana Legislature in 1849. This charter is ample for university purposes, as will be seen from the following clause defining the purposes and scope of the institution:

"The objects and purposes contemplated by this act of incorporation are hereby declared to be, to establish, found and build up, maintain, sustain and perpetuate at or in the vicinity of Indianapolis, in the State of Indiana, an institution of learning of the highest class, for the education of the youth of all parts of the United States, and especially the States of the Northwest; to establish in said institution departments or colleges for the instruction of the students in every branch of liberal and professional education; to educate and prepare suitable teachers for the common schools of the country; to teach and inculcate the Christian faith and Christian morality as taught in the Sacred Scriptures, discarding as uninspired and without authority all writings, formulas, creeds, and articles of faith subsequent thereto; and for the promotion of the sciences and arts."

This charter went into effect January 15, 1850. Funds were subscribed by members of the Christian churches and citizens of Indiana, and the College opened its doors November 1, 1855, in the old Northwestern Christian University buildings in what is now College avenue, the City of Indianapolis. The College of Liberal Arts, opened at that time, has since had an uninterrupted existence.

In 1873 the Board of Directors determined to remove to Irvington, since it was felt that a suburb, withdrawn somewhat from the distractions of the city, and yet enjoying all the advantages of the capital city, would afford a more desirable place of residence for students. In 1875 instruction of the College classes was begun in the new location.

In recognition of the benefactions of Ovid Butler, the name of the institution was changed from Northwestern Christian University to Butler University, February 28, 1877. This change did

not affect any chartered obligations of the corporation in respect to the property or graduates, or its purposes, all of which have been determined by a legislative act and the recorded resolutions of the Board of Directors.

By resolution of the Board of Directors April 8, 1896, the name "Butler College" was adopted in lieu of "Butler University," to designate the undergraduate academic department, which is the only part of the comprehensive plan outlined in the charter that has as yet been realized, and upon which at present the Directors have thought best to concentrate their efforts. The legal name of the corporation, however, remains unchanged.

At the triennial election of Directors, June 17, 1909, the stockholders voted to make the newly elected Board of twenty-one Directors self-perpetuating. This action was taken under a statute enacted by the General Assembly of Indiana in its session of 1909. By the provisions of the same statute the College was enabled to proceed to retire the stock of the corporation on the consent of two-thirds of all outstanding stock. More than two-thirds of the outstanding stock of the institution having subscribed to this agreement, the Directors are now authorized to take this action and are receiving stock assignments for this purpose.

The property of the corporation is in a very satisfactory condition. Its endowment has always been kept well invested, yielding an assured income. The College is, however, as yet insufficiently endowed to meet the demands made upon it, and it is hoped that the generous spirit which created and has hitherto sustained it will prompt further provision for its development.

Memorial Gifts. The Board of Directors would encourage gifts in the form of endowments of various chairs of instruction, which will perpetually bear the name of the donor, or of the one in whose memory it is established. In this way the following professorships have been established:

1. The Jeremy Anderson Chair of Greek.
2. The Demia Butler Chair of English Literature, endowed by Ovid Butler in memory of his daughter, Miss Demia Butler.

3. The Armstrong Chair of Germanic Languages, endowed by Mr. and Mrs. Addison F. Armstrong, of Kokomo, Indiana.

4. The Catharine Merrill Chair of English Literature, a gift made to the College by grateful students and friends as a memorial to Miss Catharine Merrill, once the honored and beloved Professor of English in Butler College.

5. The Reeves Chair of Biblical Literature, endowed by Mr. Marshall T. Reeves, of Columbus, Indiana, as a memorial to his father and mother.

Smaller amounts can be devoted to equally useful purposes. Subscriptions of \$1,000 to \$5,000 can be devoted to the founding of scholarships for the benefit of deserving young people who stand in need of assistance, and of prizes for the reward and encouragement of the ambitious, or to library endowments for particular departments.

Training of Teachers. By action of the State Board of Education, Butler College has been "accredited" under the school laws of 1907 for all classes fixed by the statute, i. e., A, B, C.

Religious Influence. The purpose of the founders, expressed in their act of incorporation, was to establish an institution of learning which would "teach and inculcate the Christian faith and Christian morality as taught in the sacred Scriptures." A course of study in the English Bible is offered to all candidates for a degree. All students are required to attend the regular chapel exercises. The institution has always been religious in spirit; by the terms of its charter it must always be so.

Butler College Alumni Association. The Alumni Association is composed of all persons holding degrees granted by the College and of former students elected to membership by the executive committee.

The control of the affairs of the Association is in the hands of an executive committee made up of the officers, elected in June by the Association, and one additional member appointed by the President of the College.

The Butler Alumna! Quarterly is issued by the Association.

An annual fee of one dollar is expected of every member, and to those paying this fee are sent all alumni publications.

The regular Alumni meeting occurs during Commencement week.

The officers of the association are:

Charles M. Fillmore, '90, president.

Bertha Thormeyer, '92, first vice-president.

Mrs. Nancy E. Atkinson, '56, second vice-president.

Katharine M. Graydon, '78, secretary-treasurer and editor of Butler Alumna! Quarterly.

Frederick Rollin Kautz, '77, presidential appointee.

STUDENT ACTIVITIES

Christian Associations. The Young Men's Christian Association and the Young Women's Christian Association are voluntary organizations of students and instructors for the promotion of religious culture and for Christian work in College. Their members are sincere and energetic, and always extend to new students a very cordial welcome. The two associations hold meetings every week, thus greatly assisting in maintaining Christian zeal among the students. A committee from each of these associations is in attendance during the first week of the first semester for the purpose of assisting those entering college with information in regard to rooms, etc., and in general to afford any assistance in their power, which students who are strangers in Irvington may feel inclined to seek from them. The Y. M. C. A. and the Y. W. C. A. unite in a social given at the beginning of each semester, to which all students are invited. This affords opportunity for old students to welcome new, and for all to cultivate more intimate acquaintance. All students who are church members are eligible to active membership in these associations. Students not identified with any church may become associate members.

College Paper. A weekly paper, called "The Butler Collegian," is published in the interest of the students of Butler College, to give the College news, and to reflect student opinion. It is edited by representatives of the various College classes. Students and graduates are cordially invited to contribute illustrations, articles, verses, letters, and information.

Debates. It is customary for the College to participate in an intercollegiate debate each year. The College desires thus to foster the interests of debating by discussing in public leading questions of the day. In the year 1913-'14 Albion College met Butler College in debate.

Oratorical Contests. Seven colleges, of which this institution is one, compose the Indiana State Oratorical Association. The local association is composed of members of the College

classes. The object of this association is to advance oratory by encouraging students to write and deliver orations. Preliminary contests are held annually to decide upon a representative for the State contests. Contestants are judged on thought, composition, and delivery. The contestant receiving the highest average award by the judges represents the College at the State contest. The successful contestant in the State contest represents the State of Indiana in the Interstate contest, composed of ten Western States. The Butler College representative, Mr. Lawrence Wilford Bridge, won the State honors in the current year.

Literary Society. The Philokurian Literary Society, organized in 1876, holds weekly meetings in its hall at the College. Its membership was originally confined to young men, but later young women have also been admitted. The society is in a prosperous condition.

The Lotus Club. This is an association whose object is bringing together socially the young women in College, thus encouraging friendly intercourse among them. The club is governed by an executive board, elected at the end of each year.

The Butler Union. This is an association of the men of the College. The purpose of the organization is to promote acquaintance and friendship among the men and to foster the interests of the College.

The Sandwich Club. The young men of the College interested in religious work are associated in an organization styled as above. Social meetings are held fortnightly, when luncheon is served, business attended to, and a prepared program rendered. Prominent religious leaders are often present at these meetings to address students on the various phases of church work.

The Press Club. This is an organization for the study of journalism, and with the added purpose of bringing together in monthly meetings the newspaper men of the College. At these meetings, prominent newspaper men of the State speak. The

Press Club is affiliated with the Indiana Intercollegiate Press Association, the annual convention of which was held under the auspices of the Butler Press Club in November, 1913.

Athletics. Various forms of athletics common in colleges are carried on at Butler College under the supervision of well-trained directors. The purpose is to give proper physical training to as large a proportion of the student body as possible, to enliven the college life with wholesome recreation, and to develop those manly qualities which are brought out in a good game well and fairly played. Baseball, football, basketball, and track teams are supported by the Athletic Association. There is a board of control composed of two members of the faculty, one alumni member, and two students.

Irwin Field, adjoining the campus, affords facilities for all outdoor games.

Regular gymnastic work in the gymnasium is required of all students in the two lower classes, and is directed by a competent instructor. The campus is well equipped with tennis courts, to which students have access.

Intercollegiate Contests. No student is eligible to represent the College in any contest, (a) who is not carrying at least 12 hours during the semester in which said contest occurs; (b) who has failed to secure credits in at least 10 hours during the preceding semester (this is not to exclude new students); (c) who fails to do his work during the current semester to the satisfaction of his instructors; (d) who enters College later than the fourth week of the semester; (e) who matriculates as a special student, until he has been a student in Butler College at least one semester.

LOCATION AND BUILDINGS

Location. Indianapolis is not only the capital of the State, but its intellectual, literary, commercial, and geographical center. Railroads radiating in every direction and the growing system of interurban electric cars make it the most easily accessible point in Indiana or any of the adjoining States. Indianapolis affords unique advantages as to location for a college. The best musical entertainments and the most noted lecturers are here brought within reach of the students. The College is located at Irvington, a pleasant and healthful residence suburb, reached by the East Washington street electric cars. Irvington is within the city limits of Indianapolis and is regarded as a most attractive place for suburban residence. Its population consists largely of those who have been drawn thither by educational inducements. This gives it a special character of cultivation and good order, while as a home for students it is singularly free from the temptations and dangers often surrounding college life. There are no drinking saloons in the vicinity.

Main College Building. The main College building contains recitation rooms, besides the administrative offices, the College chapel, literary society and Y. M. C. A. halls, cloak, and retiring rooms. It is heated throughout by steam and lighted by electricity.

Science Hall. The Science Hall contains recitation rooms, the museum hall, and the chemical, physical, and biological laboratories.

The museum contains abundant material for illustrating the sciences of Zoology, Mineralogy, and Geology. Some of the materials have been obtained by purchase, some have been contributed by friends of the institution, and some by the National Museum, while a considerable portion has been collected by the professors who have occupied the chairs in this department.

The biological laboratory is well equipped and has its own working library. Additions are being constantly made to the apparatus and equipment of these laboratories.

The chemical and physical laboratories are conveniently arranged and well equipped with ample apparatus.

Bona Thompson Memorial Library. The library building was erected during the year 1903, by the liberality of the late Mr. and Mrs. Edward C. Thompson, in memory of their daughter, Bona Thompson, who was a graduate of Butler in the class of 1897. The building is constructed of Bedford limestone and gray brick, and is of fireproof construction. The bookstack room, filled with steel stacks, has a capacity of 60,000 volumes. The College Library at present contains about 13,000 volumes, chosen with special reference to the need of students, in addition to extensive files of valuable government reports and documents.

By a special arrangement with the Indianapolis City Library Board, a free daily delivery of books from the City Library to the College Library has been established, so that students now have free and convenient access to libraries aggregating not less than 175,000 volumes. In addition to this the State Library, containing 59,000 volumes and located in the State House, is open to students, who will find it valuable for special research.

Through the kindness of Rabbi Morris M. Feuerlicht and the generosity of Mr. Samuel E. Rauh, the library has recently received a set of the Jewish Encyclopedia.

The reading room receives regularly the best publications, weeklies, monthlies, and quarterlies, of this country and Europe. The advantages of the library and reading room are open alike to all classes of students in the College.

Astronomical Observatory. The astronomical observatory embodies in its construction the conveniences necessary for the efficient use of the equatorial telescope which it contains.

College Residence. This comfortable home for young woman students is located on the campus in close proximity to the recitation rooms and laboratories. It is heated by steam and lighted by electricity, and is equipped with modern conveniences. The rooms contain all necessary furniture, but students provide their own bed linen, towels, and toilet articles, and any decorations desired.

The rooms are entirely cared for by maids. The dining-room service is directly under the control of the College, and all possible pains are taken to make the meals wholesome and attractive. The Head of the Residence has general oversight of the young women living there. The advantages of this home are offered to young women at lower rates than those at which approximately equal advantages may be obtained in private residences. The Residence is maintained solely for the accommodation of young women who, coming from a distance to attend the College, must find boarding places in Irvington; and all such are required to make their home there unless for some reason special permission to do otherwise is granted by the President. This rule admits of no exceptions.

For special circular showing plan of building and giving detailed information about rooms, address the Head of the Residence.

Gymnasium. The gymnasium building contains a main exercising hall thirty-five by fifty-eight feet. There are shower baths, steel lockers, and necessary accommodations for the students who use the gymnasium and for the athletic teams. Certain hours are set apart for the use of the gymnasium by the young women.

The power house, containing the electric lighting plant and the furnaces and boilers by which all the College buildings are heated, is a part of the gymnasium building.

EXPENSES AND SELF-SUPPORT

The College year consists of two semesters of eighteen weeks each. The unit of instruction is the semester hour, which signifies one recitation a week throughout a semester, or an equivalent. The fees payable to the College on account of instruction, library, and incidentals, exclusive of laboratory fees, are as follow: 7 to 16 hours, \$37.50; 6 hours or fewer, \$19.50 per semester. Students undertaking more than 16 hours will pay for each additional hour \$2.50. In addition the following extra charges are made: In the departments of Biology, Chemistry, and Physics, laboratory fees, ranging from \$2.25 to \$6.00 per semester, to cover cost of materials used and ordinary wear on apparatus. Students are required to pay for apparatus broken or injured. For a special examination a fee of \$2.00 is charged. For each day's delay in registering after the day appointed (see College Calendar, page 3), a fee of \$1.00 is charged; the total, however, is not to exceed \$3.00. For a change of registration after a registration card has once been issued, a fee of \$1.00 is charged. For the Bachelor of Arts diploma a fee of \$5.00 is charged; for the Master of Arts diploma, \$10.00. Graduation fees must be paid before the conferral of degrees.

Bills must be paid at the beginning of each semester.

In case of absence of the student for half or more than half of a semester, one-half of the fee paid by him for that semester may be credited on a future semester.

Expenses of Residence. Following are estimates of yearly expenses for the session of thirty-six weeks:

	Lowest	Average	Liberal
Fees.....	\$ 75.00	\$ 75.00	\$ 84.00
Room.....	30.00	45.00	54.00
Board.....	126.00	135.00	144.00
Books.....	10.00	15.00	20.00
	<hr/> \$241.00	<hr/> \$270.00	<hr/> \$302.00

The above "average" and "liberal" estimates for board and room are based on the rates charged at the College Residence, where rooms may be obtained by young ladies at prices ranging from \$15.00 to \$27.00 per semester, and table board is furnished at \$63.00 per semester. Room rent at the Residence is payable in advance at the beginning of the semester, and no rebate is allowed if the room is vacated before the end of the semester. Board bills for the semester are payable in two installments in advance. No reduction is made for occasional absences.

Board and rooms may be obtained in private families at somewhat higher rates. Students who feel it necessary to curtail expenses as much as possible will find rooms to let at lower rates, with facilities for independent housekeeping, or opportunity for the formation of clubs.

Aid and Self-Support. While the College can not guarantee employment to students desiring to earn their way, its officers will gladly do all within their power to assist students in securing profitable employment. In a city of the size of Indianapolis there is always work to be done, and a student who is energetic, determined, and self-reliant need have no fear about being able to earn enough to meet either part or all of his expenses.

Ministerial students will find here exceptional facilities for self-support, owing to the location of the College at the center from which railways and interurban electric lines radiate to all parts of the State, and the large number of churches within a convenient distance which depend upon student preaching.

REGISTRATION AND ENTRANCE

Butler College admits the following classes of students:

Regular College Students. (For requirements for admission and graduation, see pages 25-32.)

Special Students, not candidates for a degree. (See page 30.)

Ministerial Students, who may be either graduates or special students.

Graduate Students, who must have the baccalaureate degree from Butler College, or some institution of similar rank, and who may become candidates for the degree of Master of Arts, Master of Science, or Bachelor of Divinity. (See page 34.)

Students in the Extension Courses, who attend weekly classes held in a central location in Indianapolis, and who may or may not be candidates for a degree. (See pages 79.)

Normal Students, who are qualifying for the teaching profession under the State law. (See page 75.)

Classification. Students are not classified on the records of the College except as above indicated. Their names are printed in the catalog in alphabetical order, excepting students in the extension courses.

Registration. The office hours of members of the faculty on days appointed for registration (see College Calendar), are 9 to 12 a. m. and 2 to 4 p. m. In order to secure prompt attention, applicants should present themselves on the days and at the hours designated.

New students should send their credentials to the examiner at least three weeks before the opening of the semester. They will then receive, on the day of registration, statements of the credits granted. On presentation of these to the adviser, they will be assigned to their classes. Old students will go at once to the adviser for assignment to classes.

The penalty for late registration is \$1.00 for each day's delay until the total shall amount to \$3.00. Each change of registration, unless necessitated by action of the faculty, is subject to a penalty of \$1.00.

REQUIREMENTS FOR ADMISSION

Preparation for admission to the Freshman class is expected to cover a period of four years in a good high school or academy. Admission credits are reckoned in units. A *unit* is the equivalent of a course of study extending through one full year of not less than thirty-two weeks, and occupying five periods of recitation per week. Two hours of laboratory work are regarded as equivalent to one hour of prepared work. No fractional units are credited except as here indicated. Fifteen units are required for entrance to the Freshman class. Of this number $5\frac{1}{2}$ are definitely prescribed, 5 are to be chosen from certain specified groups, and $4\frac{1}{2}$ are elective.

Graduates of commissioned high schools in Indiana and of high schools of similar grade in other States are admitted to the Freshman class without examination, but such admission does not excuse them from making good any of the entrance requirements which are not covered by the high school credits. These high school credits are accepted only in the subjects and to the amounts named in Groups I-IV below. No high school graduate will be admitted who presents fewer than eleven units in the subjects named in these groups.

All other candidates for admission will receive from the examiner statements showing the maximum credits which may be granted. If these are sufficient to permit the student to enter, he may do so provisionally, receiving entrance credit for those subjects after the completion of 22 hours in a manner to satisfy the faculty that he is entitled to such entrance credit. The faculty, in the meantime, reserves the right to modify the first estimate of the amount of possible entrance credit.

Students who expect to enter without examination should present specific statements of the work that has been done—not simply diplomas from high schools or academies. *When preparatory work has been done in more than one school, separate certificates must be presented from each school, not simply from the last one attended.* Blanks

prepared for this purpose will be furnished on application. Certificates upon which entrance credits are to be granted must be signed by the principal of the school in which the work was done. They should contain detailed statements not only of the time spent in each subject, but also of the amount of work covered (*e. g.*, four books of Cæsar), including the time spent in laboratory work in science in addition to classroom work.

Required:

English.....	3	units
Mathematics.....	2½	units
Foreign Language (from Group I).....	3	units
History (from Group II).....	1	unit
Science (from Group III).....	1	unit

Elective:

From Groups I-IV.....	4½	units
Total.....	15	units

The required work in English (3 units) is equivalent to the usual three years of English, including composition, rhetoric, and literature, as taught in good high schools. Candidates who present a fourth year of English may receive credit for it as an elective. (See Group IV below.)

The required work in Mathematics (2½ units, as above) includes algebra to quadratic equations (1 unit), quadratic equations (½ unit), and plane geometry (1 unit). Candidates who offer more than the minimum requirement in Mathematics may receive credit for it as an elective. (See Group IV.)

The groups from which the required work in foreign language, history, and science must be chosen are as follows:

GROUP I.

Foreign Language.

Latin 1.	Beginning course.....	1	unit
Latin 2.	Cæsar, 4 books.....	1	unit
Latin 3.	Cicero, 6 orations, or Cicero, 4 orations and Vergil, 2 books.....	1	unit

Latin 4.	Vergil, 5 books.....	1 unit
Latin 5.	Tacitus.....	$\frac{1}{2}$ unit
Latin 6.	Livy.....	$\frac{1}{2}$ unit
Greek 1.	Beginning course and Anabasis, Book I.....	1 unit
Greek 2.	Anabasis II-IV, with prose com- position, and Homer's Iliad, Books I-II.....	1 unit
Greek 3.	Plato, Herodotus, or equivalent authors.....	1 unit
German 1.	Beginning course.....	1 unit
German 2.	Second year.....	1 unit
German 3.	Third year.....	1 unit
French 1.	Beginning course.....	1 unit
French 2.	Second year.....	1 unit
French 3.	Third year.....	1 unit
Spanish 1.	Beginning course.....	1 unit

NOTE.—At least 3 units must be offered from this group, and at least 2 of these must be in one language. After 1 unit has been offered, half-units may be accepted. A fourth year of German or of French may be accepted if the quality of the work done appears to warrant it. Not more than $7\frac{1}{2}$ units of language will be accepted.

For every unit of language work accepted for entrance in excess of the minimum requirement of 3 units, the candidate will be excused from one year of the required language work in College.

GROUP II.

History and Civics.

General History.....	1 unit
Ancient History.....	$\frac{1}{2}$ or 1 unit
Medieval History.....	$\frac{1}{2}$ or 1 unit
Modern History.....	$\frac{1}{2}$ or 1 unit
English History.....	$\frac{1}{2}$ or 1 unit
United States History.....	$\frac{1}{2}$ or 1 unit
Civics.....	$\frac{1}{2}$ unit
Economics.....	$\frac{1}{2}$ unit

NOTE.—Credit will not be given for both General History and Ancient History. Credit will not be given for both Civics and Economics unless 1 unit of History is also offered. Credit will not be given for Civics taken in the grades below the high school. Not more than 3 units in all will be accepted from this group. If 2 units of History are offered, $\frac{1}{2}$ unit must be European History; if $2\frac{1}{2}$ units are offered, 1 unit must be European History.

GROUP III.

Natural Science.

Physics.....	1 unit
Chemistry.....	1 unit
Botany.....	$\frac{1}{2}$ or 1 unit
Zoology.....	$\frac{1}{2}$ or 1 unit
General Biology.....	1 unit
Physiology.....	$\frac{1}{2}$ unit
Physiography.....	$\frac{1}{2}$ unit
Geology.....	$\frac{1}{2}$ unit
Astronomy.....	$\frac{1}{2}$ unit

NOTE.—Not more than 4 units in all will be accepted from this group.

GROUP IV.

Unclassified.

English 4. (First half of fourth year High School English).....	$\frac{1}{2}$ unit
English 5. (Second half of fourth year High School English).....	$\frac{1}{2}$ unit
Mathematics 4. Solid Geometry.....	$\frac{1}{2}$ unit
Mathematics 5. Trigonometry.....	$\frac{1}{2}$ unit
Mathematics 6. College Algebra.....	$\frac{1}{2}$ unit
Commercial Geography.....	$\frac{1}{2}$ unit
Mechanical Drawing.....	$\frac{1}{2}$ or 1 unit
Free-hand Drawing.....	$\frac{1}{2}$ or 1 unit

NOTE.—None of the courses in this group is required for entrance, but any of them may be offered among the $4\frac{1}{2}$ units of electives which must be presented. Not more than 1 unit of Drawing will

be accepted. One unit of Drawing must represent ten periods per week throughout a year.

Conditioned Students. If a student is conditioned in any admission subjects, he must begin at once to make up his deficiencies, those in *required* subjects being taken first, and precedence being given at all times to those courses which may be offered in lieu of the deficiencies.

If the conditioned student is deficient in subjects in which instruction is offered by the College, he must elect from the courses offered by the College a sufficient number of courses which may be offered for entrance to make good the deficiency. In this case 6 hours of college work will be accepted as equivalent to 1 unit of preparatory work. If the conditioned student is deficient in subjects in which the College offers no instruction, such deficiencies may be made up under approved tutors or in a high school of Indianapolis. They must be made up within one year after matriculation in Butler.

Advanced Standing. Students coming from high schools or other secondary schools and presenting credits in excess of those required for entrance may, in certain departments, secure college credit for the work by passing an examination on it within one year from the date of entrance to College. The following limitations will, however, be observed:

1. In no case will an entrance unit be accepted for more than 6 hours of college work.

2. Where 3 units from Group II (History) have been presented for entrance, no college credit will be granted for additional work in that group.

3. Where 4 units from Group III (Science) have been presented for entrance, no college credit will be granted for additional work in that group.

4. No more than a total of 20 hours will in any case be credited on the basis of work in a high school or other secondary school.

5. Only in the following subjects may college credit be obtained, and to the maximum amount indicated in each case:

English.....	3 hours	Mathematics.....	3 hours
Latin.....	12 hours	Physics.....	6 hours
Greek.....	12 hours	Chemistry.....	6 hours
German.....	12 hours	Botany.....	6 hours
French.....	12 hours	History.....	6 hours
Spanish.....	6 hours		

Students coming from other colleges or universities may receive advanced standing upon presentation of certificates of the work they have done. It is highly important that these statements be sent in three weeks before the beginning of the semester. They must include: (a) A statement of the work done in satisfaction of entrance requirements. This statement must come directly from the school where the work was done. (b) A statement certifying to the college credits that have been earned. Such statements should indicate the subjects studied, ground covered, number of weeks, and number of hours of recitation per week. In case of students coming from colleges whose entrance requirements are less than those of Butler College, a sufficient number of college credits will be applied to make good the deficiency.

To receive credit toward advanced standing, application must be made to the examiner at the time of matriculation, or earlier. It is desirable that candidates for advanced standing should forward their statements of work before presenting themselves for entrance. *No student from another college will be admitted except upon presentation of a certificate of honorable dismissal.*

Special Students. A person, not a candidate for a degree, may be admitted as a special student and allowed to pursue a special course of study under the following conditions:

1. He must be twenty-one years of age and must have received the permission of the professors whose courses he proposes to take and of the committee on special studies. A certificate of age must accompany the application for admission as a special student.
2. Only persons having a definite end in view will be accepted as special students, and no applicant for a special course will be admitted unless urgent need of such course shall appear.

3. No regular student who fails in his work will be allowed to become a special student until he has made good his failures.

4. Special students are subject to the same regulations as regular students with regard to the amount and quality of work performed, and attendance at recitations and examinations. The faculty may at any time deprive any special student of his privileges if it appears that he is abusing or neglecting them.

REQUIREMENTS FOR GRADUATION

The plan of study offered to the student in the requirements for graduation is an attempt to combine the essentials of general culture, which is the prime object of the undergraduate college course, with an opportunity for development along the lines of the student's natural interest and preparation for university and professional study.

The normal length of time required for the college course is four years, but students who have the necessary ability and industry can complete it within three calendar years.

In addition to the entrance units (see pages 25 *seq.*), there are required for graduation 120 hours of class instruction and 8 hours of physical training. An hour signifies one recitation a week throughout a semester or an equivalent.

Where laboratory work is carried on, two to three hours in the laboratory are equivalent to one hour in the classroom.

Students, as a rule, will assume work to the total value of 15 or 16 hours each semester. No student may take fewer than 12 hours without the consent of the committee on special studies given on recommendation of the adviser. Freshmen may not take more than 6 hours and two courses, and Sophomores not more than 8 hours and two courses, in one department during one semester. If a student's average grade for the semester next preceding shall have been as high as 80, he may take work to the aggregate value of 18 hours; if as high as 85, he may take 20 hours of work, but in no case may he take more than this amount during any one semester. For each additional hour above 16 a fee of \$2.50 is charged. These restrictions do not apply to courses in physical training. In any case, the courses chosen must not conflict in times of recitation, and all work, to receive credit, must be done in class.

The College confers two baccalaureate degrees, that of Bachelor of Arts and that of Bachelor of Science.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS.

1. **REQUIRED SUBJECTS.**—(a) Students offering the minimum (three entrance units) of language work (Group I) for entrance, must elect 30 hours of foreign language in college. For every additional language unit offered for entrance, 10 hours may be deducted from the 30 required in college. Thus a student who presents four units of language for entrance will take 20 hours in college. One who presents five units will take 10 hours. One who presents six units is entirely relieved from the college language requirement. In any case, however, the total required work in foreign language for entrance and in college (six years' work in all) must not be divided between less than two or more than three languages, and must include at least three years' work in some one language.

(b) Students who present less than two units of physical science (Group III) for entrance, must elect 10 hours in a laboratory science not offered for admission.

At least 20 hours in the subjects thus required must be taken during the first year of residence, and the remainder during the second year. Students entering with advanced standing must begin at once to meet these requirements.

2. At least 30 hours must be taken in one department, or 40 hours in closely related departments. In the latter case, 20 hours must be taken in one department and the remainder in subjects approved by that department.

3. Not more than 40 hours may be taken in any one department.

4. The following courses (unless taken to meet entrance requirements) will have the value of 3 hours each to students who are credited with 90 hours: Greek 1, 2; German, 1, 2; French 1, 2; English 1, 2; Mathematics 1, 2.

In making his choice the student must observe any restrictions and prerequisites that may be attached to the particular courses he wishes to select. All courses must be selected in consultation with the adviser.

Any student coming from another institution is required to take at least the last 30 hours in residence at this College before receiving the degree.

Upon the satisfactory completion of the aggregate requirements as here given, and the payment of the graduation fee (see page 22), the student is entitled to receive the degree of Bachelor of Arts.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE.

For the degree of Bachelor of Science, 60 hours must be offered in the natural sciences, mathematics being counted as a natural science. The student's major subject must be either a natural science or mathematics.

A minimum of six years of foreign language must be taken in the preparatory and college courses, of which at least two years must be in German and two in French. Candidates for this degree who offer three foreign languages will be required to offer only two years in each language.

In all other respects the candidate for the degree of Bachelor of Science must conform to the requirements for the degree of Bachelor of Arts.

Graduate Students. The College confers the degree of Master of Arts and Master of Science on applicants holding the corresponding baccalaureate degrees. In case the applicant's undergraduate work has been done at another college, he is required to show that such work is fully equivalent to that required for the baccalaureate degree at this College. Applicants who have not completed the necessary amount of work must make up their deficiencies by taking the required courses for which they do not present equivalents and elective courses sufficient to complete 120 hours, before they will be admitted to candidacy for the second degree.

The degree of Master of Arts is intended to represent at least one year of scholarly study in liberal and non-professional subjects in which a physical science has not been a major subject of study. This year must be passed in resident work, done under the direction of the College, but the candidate must satisfy the faculty of his proficiency in his chosen subject of study, by class work, thesis and examination, and the degree is not assured at the end of any fixed period of work.

The specific requirements which must be satisfied in order that the degree of Master of Arts may be conferred are as follows:

1. The applicant must submit his request to be admitted to candidacy for the degree, together with credentials of the work done for his baccalaureate degree, to the Committee on Graduate Studies, at the beginning of the academic year; and before October 15 he must have selected a major subject of study and a course of study for the year, approved by his major professor and by the committee.

2. An applicant must be able to read two foreign languages, such as may be specified by the professor under whom he is pursuing his major studies; and his ability to do so shall be tested by examination before he is admitted as a candidate for the degree.

3. Candidates must complete 30 hours, at least 10 of which shall be advanced courses in his major subject of study, taken consecutively. The semester examinations in these subjects must be passed with a minimum grade of 70. This work may consist (1) of subjects assigned to the individual candidates and (2) of lines of study selected from advanced undergraduate work. It shall not include any of the following: (a) Required undergraduate work; (b) courses which have the value of only 3 hours to undergraduates who are credited with 90 hours; (c) courses of a professional character in the School of Ministerial Education or elsewhere.

4. A thesis which shows some power of scholarly investigation and of stating the results of such investigation, must be written on a subject chosen from the field of the major study. The subject of this thesis must be submitted to the Committee on Graduate Studies, and approved by them, as early as December 1 of the academic year in which the degree is expected to be conferred. The thesis must be finished and submitted in its completed form by May 1. If accepted, a typewritten copy, upon the regulation paper, properly bound, must be deposited in the College Library by June 1.

5. The candidate must present himself during the last two weeks of the second semester, at a date and hour publicly announced, for oral examination on the work done during the year, including his thesis. This examination shall be conducted by a committee consisting of the professor in charge of his major subject and at least two other professors.

A candidate for the degree of Master of Science must complete 30 hours of graduate work in science or mathematics. These 30 hours must be taken in not more than two departments, at least 20 hours in one and 10 in the other department. A student holding the degree of Bachelor of Arts must fulfill all the requirements for the degree of Bachelor of Science in this institution, in order to become a candidate for the degree of Master of Science. Any one holding the degree of Bachelor of Science from another college of similar rank to this, may become a candidate for the degree of Master of Science by fulfilling the requirements for that degree. In all other respects the requirements for the degree of Master of Science are the same as those for the degree of Master of Arts. Not more than fifteen hours' work credited toward the degree of Bachelor of Divinity can be accredited toward the degree of Master of Arts.

No work done by a student while yet an undergraduate shall be allowed to count toward fulfilling the requirements of a graduate course; but students who finish their undergraduate work before the close of the college year may begin their graduate work at once without waiting for the conferring of the Bachelor's degree. Graduate students are subject to the same regulations regarding number of subjects to be taken as undergraduate students. In all cases the work of candidates for the degree of Master of Arts or Master of Science is subject to the approval of the faculty committee on graduate work, and to this committee all proposed graduate work must first be submitted.

For the special requirements for the degree of Bachelor of Divinity see page 66.

Examinations. Examinations in all courses of study are held at the close of each semester. Students are graded in each subject pursued during the semester. A student failing in any subject must make such failure good within a period of one year, in order to receive credit for the course. Absence from examination counts as failure when not previously arranged with the instructor. A student taking an examination at a time other than that appointed for his class must first pay to the Secretary of the College, for the benefit of the library fund, the sum of \$2.00.

Semester Reports. As soon as possible after the semester examinations, a report of the attendance and proficiency of each student is prepared and sent to his parent or guardian, who is earnestly requested to give such report careful attention, or to notify the registrar of any failure to receive it. These reports should be preserved.

Students are graded on a scale of 100 as follows: 60 is passing grade, and 80 indicates a good degree of excellence.

The report made at the close of the second semester will indicate, also, the student's arrears (if any) in entrance requirements and prescribed work, and will give the number of hours toward graduation due him, thus showing his classification for the beginning of the following year.

COURSES OF INSTRUCTION

When an announced course has not been applied for by at least five students, candidates for a degree, the instructor shall be at liberty to withdraw the course.

The week-holiday is Monday.

Bracketed courses will not be offered in 1914-'15.

Semesters are indicated by Roman numerals I and II.

Five-hour courses meet daily: (5) Daily.

Three-hour courses meet Tuesday, Thursday and Saturday: (3) T. Th. S.

Two-hour courses meet Wednesday and Friday: (2) W. F.

LATIN.

PROFESSOR GELSTON.

General Statement. In Latin work of the first college year the especial aim is to develop the student's grasp of the language. To that end there is much insistence on oral reading, as well as upon accurate and finished translation. The advanced courses seek primarily to foster real appreciation of Latin literature for its own sake.

Courses.

A. CICERO: Select Orations. I (3) T. Th. S. 11:30

B. VERGIL. *Æneid*. II (3) T. Th. S. 11:30

Courses A and B are intended for students who have two entrance units of Latin only. Students who have completed these courses satisfactorily will be admitted to Latin 1.

1. CICERO: *De Senectute*; LIVY: Books XXI, XXII. Writing of Latin once a week. This course is intended to develop the

student's power to read Latin of average difficulty with intelligence and comparative ease. Minimum prerequisite, three units of Entrance Latin. However, students electing Latin 1 as a rule will have offered four units of entrance Latin.

I (5) Daily 9:00

2. **TERENCE:** *Phormio*; **HORACE:** *Odes* and *Epodes*. By this time the student ought to have gained sufficient mastery of the syntax and vocabulary to enable him to give most of his attention to the literary study of the authors read.

II (5) Daily 9:00

3. **HORACE:** *Satires* and *Epistles*; **PLAUTUS:** *Captivi*. Roman private life will be studied in connection with the reading.

I (5) Daily 10:30

- 4a. Selections from *Catullus*, *Tibullus*, *Propertius*, *Ovid*, and others.

II (3) T. Th. S. 10:30

- b. History of Latin Literature.

II (2) W. F. 10:30

Course 4b is intended to accompany 4a. It may, however, be elected singly by students having no knowledge of Latin.

[5a. **LUCRETIUS.**

b. **MARTIAL.**]

[6. **TACITUS:** *Agricola*, *Germania*, and Selections.]

[8. **TEACHERS' COURSE:** Vergil's works, especially the *Æneid*, to be read with reference to teaching.]

9. **PLINY:** *Letters*; **JUVENAL:** *Satires*. Study of private life and manners at Rome under the Early Empire.

I (3) T. Th. S. 1:30

10. **TEACHERS' COURSE:** Cæsar's Gallic war to be read with reference to teaching. This course should not be elected without consultation.

II (3) T. Th. S. 1:30

12. **OVID:** Generous portions of the *Fasti* and *Metamorphoses* to be read. Assigned topics for investigation.

II (3) Provisional

GREEK.

ASSISTANT PROFESSOR WEAVER.

General Statement. In this department students are encouraged to work toward appreciation of Greek for its own sake. In the elementary course the students cover rapidly the work commonly done through a more extended period in preparatory schools.

Courses 1 and 2 are continuous and both must be taken if credit in one of them is desired.

To students credited with 90 hours or more, courses 1 and 2 have the value of 3 hours each.

Courses.

- 1, 2. **ELEMENTARY GREEK.** Special effort is made with mature students to prepare them in one year for subsequent courses in classical Greek. Rouse's First Book in Greek and Rouse's Greek Boy at Home. Xenophon's Anabasis.

I, II (5) Daily 10:30

3. **HOMER:** Odyssey. Mythology and Mycenæan Archæology.

I (5) Daily 9:00

4. **HERODOTUS:** Selections. Sight reading in Xenophon. Greek syntax and prose composition.

PLATO: Apology of Socrates and Crito. Selections from other dialogues. Sight reading.

II (5) Daily 9:00

- [5. **LUCIAN:** Introductory Study of the Greek Drama: Antigone and Iphigenia.]

- [6. **ÆSCHYLUS.**]

7. **GREEK LITERATURE IN ENGLISH:** A general survey of Greek literature. Homer and the dramatists are read in translation.

Extension 1914-'15

8. **MODERN GREEK.]**

HEBREW.

PROFESSOR UNDERWOOD.

- 1, 2. GRAMMATICAL PRINCIPLES OF THE LANGUAGE: The acquisition of a vocabulary, translation of Genesis I-VIII, and selections from Samuel and Kings. Texts: Harper's Hebrew Method and Manual and Elements of Hebrew. I, II (3) T. Th. S. 9:00

GERMAN.

PROFESSOR DANTON.

MISS WEAVER.

General Statement. The College Library has a small but well-chosen collection of German books; this collection, supplemented by those of the Indianapolis Public Library and of the Indiana State Library, which have a uniformly generous policy toward the buying of German works, makes possible a very satisfactory study of German literature. The department is not at present able to offer work for the Master's degree, nor does it attempt to train teachers of German. The object of the first two and a half years' work is to enable students to acquire a practical command of the language; in the last year and a half the study of the language is entirely subordinated to the study of literature.

Courses 1 and 2 are continuous and both must be taken in order to receive credit.

To students credited with 90 hours or more, courses 1 and 2 have the value of three hours each.

Courses.

- 1, 2. A continuous course in beginning German for college students. The formal study of grammar is subordinated to a more direct method of acquiring the language. As far as possible, German is spoken in the classroom from the beginning.

I, II (5) Daily, Section a 8:00, Section b 11:30

PROFESSOR DANTON AND MISS WEAVER.

- 3, 4. The work of the second year is also planned as a unit, but the courses may be taken separately for credit. Grammatical re-

view based on a book like Savory's *Deutsches Reformlesebuch* or Boezinger's *Mündliche und Schriftliche Uebungen*. Graded texts are read and made the basis for classroom conversation in German and of composition built up from the reading. The student is urged not to translate but is taught to understand German without the interpolation of the English medium. Teachers in secondary schools who are preparing students to take this course should train them in taking down simple dictation and in building up a systematic vocabulary of important root-words as well as to understand simple spoken German.

I, II (5) Daily 9:00

PROFESSOR DANTON.

5. MODERN PROSE: In this course longer texts are read and discussed in German. Summaries in German of assigned chapters. After the Christmas vacation, the class will read one of Lessing's prose plays.

I (3) T. Th. S. 11:30

PROFESSOR DANTON.

6. INTRODUCTION TO THE STUDY OF THE GERMAN CLASSICS: Works of Lessing, Goethe, and Schiller are studied in detail. The discussion is usually in English. An attempt is made to round out the picture of each of the three authors so that the class may be able to break up the term "German classics" into its components.

PROFESSOR DANTON.

II (3) T. Th. S. 11:30

The courses numbered above 6 are given in a cycle and aim to cover all the important periods and phases of German literature as far as these are of value to college students. The instructor reserves the right to exclude first year students. In 1914-'15 the following will be given:

11. INTRODUCTION TO GERMAN LYRIC POETRY: An attempt will be made to explain without over-emphasis on historical method, a large number of German lyrics. One or two lyric anthologies will be used as textbooks; besides these, each member of the class will be asked to study the work of one German lyric poet as a whole and to write a paper on him. The attempt will always be made

to interpret the lyric, rather than movements and types of men. I (2) Hours to be arranged but probably Wed. 1:30-3:30
 PROFESSOR DANTON.

24. LESSING'S LAOKOON AND HAMBURGISCHE DRAMATURGIE: This course will try to explain in detail the opinions of Lessing on art and the drama, but the treatment will be comparative as well. The practical value of the questions raised by Lessing for present-day canons of judgment will be brought out in the discussions.
 PROFESSOR DANTON. II (2) Same time as course 11

- 25, 26. These are thesis courses and are given from time to time as the needs of individual students demand. Hours and credits by arrangement. Such topics as these have been treated in the past: *Die emanzipierte Frau in der deutschen Literatur des 19. Jahrhunderts*; *The Genesis of Goethe's Faust*. Open only to Seniors.
 PROFESSOR DANTON.

In 1913-'14 the following were given:

21. KLEIST AND GRILLPARZER.
 22. GOETHE'S FAUST.

ROMANCE LANGUAGES.

ASSISTANT PROFESSOR GREENE.

PROFESSOR PAUL.

General A course in French extending over three years is offered.
Statement. For the third year, different courses are offered in alternate years, so that a student may obtain credit for four years' work.

The College Library, aided through special arrangement by the Indianapolis City Library, places at the disposal of the students of the department a large and well-chosen collection of French texts and criticism, as well as of works on France and the French.

Courses 1 and 2 are continuous. Both must be taken to receive credit.

To students credited with 90 hours or more, courses 1 and 2 have the value of 3 hours each.

Courses in French.

PROFESSOR GREENE.

- 1, 2. **ELEMENTARY COURSE** (continuous): This course consists of the study of grammar, composition, and the reading of modern French, including at least one play and extracts from French historians. There is constant practice throughout the year in pronunciation and in writing from dictation with a view to training the ear to spoken French. The commoner idioms are learned through daily drill in conversation.
I, II (5) Daily, Section a 8:00, Section b 1:30
- 3, 4. The course aims at giving the student ability to read modern French prose and poetry with ease and appreciation, and at giving some practice in advanced composition. The best poetry, plays, and novels of some more recent French masters are read, in or out of class, and discussed—de Vigny, Hugo, Dumas fils, Balzac, Sand, Daudet, Augier, Maupassant, France, and Loti. Selections from some modern French historian are read. The course emphasizes the development in the student, through analysis of French style, treatment, and character, of a sound literary appreciation. The history of French literature from the Renaissance is given in outline. The use of spoken French in the classroom is increased.
I, II (3) T. Th. S. 9:00
- 11, 12. **THE NOVEL**: By means of reading of texts, discussions, lectures, etc., the class traces the development of the novel from the epic. The text-book is "Le Roman en France depuis 1610." Morrillot.
I (3) T. Th. S. 10:30
- [13. **MOLIERE, LA FONTAINE.**]
- [14. **THE ROMANTIC TENDENCY OF THE NINETEENTH CENTURY.**]
- [15. **COMEDY SINCE MOLIERE.**]
16. **CONTEMPORARY FRENCH LITERATURE.** Reading and study of some of the more recent French plays, novels, and short stories.
II (3) T. Th. S. 10:30
- [17, 18. **AN OUTLINE OF FRENCH LITERATURE.**]

Courses in Spanish.

1. **ELEMENTARY COURSE:** Ramsey's Spanish Grammar. Supplementary exercises in reading, composition, and conversation based on such texts as *Lecciones de Espanol* por F. Themoin y E. Hernandez; *Primer Curso de Lengua Castellana* por D. P. Lourtay y D. Luis Arizmendi (Biblioteca de Ensenanza Tecnica.)

PROFESSOR PAUL.

I (5)

2. Reading of classical texts, and of current literature with special attention to Hispano-American authors. For missionary candidates preparing for Spanish-speaking fields additional reading is required of the following works: *Heroes de la Fe*, and *Las Inovaciones del Romanismo*, published by Libreria Nacional y Extranjera de Madrid.

PROFESSOR PAUL.

II (5)

ENGLISH.

PROFESSOR KENYON.

PROFESSOR GRAYDON.

MISS BUTLER.

General Statement. The Department of English contemplates a threefold object:

1. Practice in English composition.
2. A knowledge of our own language.
3. Independent ability to read and appreciate English literature.

- 1, 2. **FRESHMAN ENGLISH:** English Grammar, Composition, and Literature. I, II (5) Sections at 8:00, 9:00, 10:30, 11:30

- 5, 6. **OLD AND MIDDLE ENGLISH:** This course lays the foundations for a knowledge of the English language with its constructions and idioms, both for its own sake as disciplinary culture, and for the purpose of learning to read English literature intelligently. It includes also lectures on the types of Early English literature, and a careful study of Chaucer's more important works. Students preparing to teach English, and those who do their major work in English, are required to take this course. This course is prerequisite to English 7 and 8. Freshmen

are admitted to this course only by permission of the instructor.
 PROFESSOR KENYON. I, II (5) Daily 11:30

- 7, 8. SIXTEENTH AND SEVENTEENTH CENTURY LITERATURE: Lectures and reading in the sixteenth century as an introduction to Shakespeare, followed by a careful study of selected plays, and of some of Milton's prose and poetry. A continuous course. Prerequisite, English 5, 6. I (5) Daily, II (3) T. Th. S. 9:00
 PROFESSOR KENYON.

- [10. EARLY NINETEENTH CENTURY LITERATURE. Prerequisite, English 1, 2, or 5, 6.
 PROFESSOR KENYON.]

- [12. THE ENGLISH NOVEL: Prerequisite, English 1, 2, or 5, 6.
 PROFESSOR KENYON.]

- 3, 4. AMERICAN LITERATURE: This course is continuous throughout the year. It will be so divided as to be open each semester to new students who have completed English 1, 2, or the equivalent. I, II (5) 10:30
 PROFESSOR GRAYDON.

- 13, 14. BROWNING. I, II (3) T. Th. S. 8:00
 PROFESSOR GRAYDON.

15. THE DEVELOPMENT OF THE ESSAY: Lectures, historical and critical, are given, while reading and analysis of representative essays are made. Prerequisite, 20 hours of English. I (2) W. F. 9:00
 PROFESSOR GRAYDON.

16. TENNYSON. II (2) W. F. 9:00
 PROFESSOR GRAYDON.

- 17, 18. THE ENGLISH DRAMA: The English drama is studied as an expression of social conditions and a distinct art. Lectures and interpretation are given by the instructor, while an intensive study of typical plays is made by the student. Prerequisite, 20 hours of English. I, II (3) T. Th. S. 9:00
 PROFESSOR GRAYDON.

Courses 13, 14, and 16 regard the personality of each poet and the development of his art. Historical and literary criticism is made of selected poems. Prerequisite, 20 hours of English.

PUBLIC SPEAKING.

PROFESSOR UNDERWOOD.

1. ARGUMENTATION: Class discussion of the fundamental principles in Argumentation; construction of briefs and addresses for debate; occasional debates. I (2) W. F. 9:00
2. ORATORY: Class discussion of the principles of effective speaking; careful construction of addresses; elementary drill in expression. II (2) W. F. 9:00

PHILOSOPHY.

PROFESSOR JORDAN.

General Statement. The main purpose of the work on Philosophy is to put the student in possession of a way of looking at things which will help him to interpret both his own experience and the larger problems which enter into the intellectual life of the time. The historical method is followed, and actual reading of the great philosophers required, so far as is feasible in general courses of an introductory character.

Prerequisite to all courses in Philosophy, 30 hours' college credit.

Courses.

1. PSYCHOLOGY: An introductory course, designed to acquaint the student with the scope and methods of the science, the nature and activities of the mind, its laws and processes. I (3) T. Th. S. 10:30
2. LOGIC: An elementary study of the nature, principles, and methods of reasoning. The disciplinary value of the subject is emphasized, and constant drill in the analysis and criticism of arguments and ratiocinations of various types is provided. II (3) T. Th. S. 10:30
- 3, 4. ETHICS: The nature, presuppositions, and history of the fundamental conceptions of morality. A continuous course throughout the year. I, II (2) W. F. 10:30

- 5, 6. **HISTORY OF PHILOSOPHY:** A study of the development of thought from the Greek origin of philosophy to the present time, in its relation to the history and civilization of the various periods. I, II (3) T. Th. S. 9:00
- 7, 8. **PHILOSOPHICAL CLASSICS:** The careful reading and discussion of selected works. The books chosen will vary from year to year. This course must be preceded or accompanied by courses 5, 6. I, II (2) W. F. 9:00
9. **EVOLUTION: HISTORY AND SIGNIFICANCE OF THE IDEA:** An untechnical study of the history of evolutionary theory from its Greek origin to modern times, and an attempt to estimate the significance of the evolutionary point of view for an ultimate theory of the world. I (2) W. F. 11:30
10. **PHILOSOPHICAL PROBLEMS:** The subject of this course, which will vary from time to time, will be the relation of the natural sciences to philosophy. It is recommended that it be preceded or accompanied by course 2 or course 5. II (2) W. F. 11:30
11. **PHILOSOPHY OF RELIGION:** A study of some fundamental problems common to philosophy and religion. Prerequisite, 60 hours' credit, which should include Philosophy 5, 6. I (3) T. Th. S. 11:30, or hour to be arranged
12. **HISTORY OF EDUCATION:** This course, when taken in preparation for teaching, should be elected with courses 1 and 2. II (3) T. Th. S. 1:30

ECONOMICS AND SOCIAL SCIENCE.

PROFESSOR PUTNAM.

PROFESSOR LUMLEY (College of Missions).

General Statement. The courses in Economics, Political Science, and Sociology are included in this department. The introductory courses are given every year. The advanced courses alternate and are intended to meet the needs of two classes of students. First, those preparing for commercial or financial careers or for public or social service, and, secondly, those looking forward to graduate work in Eco-

nomics, Political Science, Sociology, or allied subjects. The courses in Political Science are also of especial significance as a preparation for the study of Law or Journalism.

Courses.

1. **PRINCIPLES OF ECONOMICS:** This course is intended to give the student a grasp of the fundamental principles of economic science and a general knowledge of its scope and method. It is open only to students who have 30 semester hours of credit and is a prerequisite to all other courses in Economics. I (5) Daily 9:00
PROFESSOR PUTNAM.
2. **MONEY, CREDIT, AND BANKING:** A study of the nature and functions of money, the standard of value, and the monetary history of the United States; the character of credit instruments and corporation securities; the functions of banks and the money market and foreign exchange; domestic and foreign banking systems; present-day monetary and banking problems. II (5) Daily 9:00
PROFESSOR PUTNAM.
3. **PUBLIC FINANCE AND TAXATION:** The major part of the course is devoted to the subject of taxation, but financial administration and debt financing receive consideration. I (3) T. Th. S. 10:30
PROFESSOR PUTNAM.
4. **LABOR PROBLEMS:** A study of the problems and interests of wage-earners, such as the organization and policies of trades unions, employers' associations, arbitration, profit-sharing, factory acts, employer's liability, and other forms of labor legislation. II (3) T. Th. S. 10:30
PROFESSOR PUTNAM.
5. **ECONOMIC HISTORY OF THE UNITED STATES:** Methods of colonizing the American continent; the land policy; the growth of industry, agriculture, commerce, transportation, and labor. Summer Term, Daily 9:00-11:00
PROFESSOR PUTNAM.
6. **TRANSPORTATION:** An outline course dealing with the more important principles and facts relating to railways, waterways, and the express, telegraph, telephone, and postal services. The

greater portion of the course, however, is given to the problems of railway transportation, including financing, consolidation, rate-making, and regulation.]

PROFESSOR PUTNAM.

- 7, 8. **ECONOMIC THEORY:** An examination of the writings of the leading economists from Adam Smith to the present. Attention is given chiefly to their theories of value and distribution. In the latter part of the course especial attention is given to contemporary writers.

I, II (2) W. F. 8:00

PROFESSOR PUTNAM.

9. **AMERICAN GOVERNMENT:** A study of the national, state, and local political institutions of the United States. Open to students having 15 hours of college credit. This course or its equivalent is a prerequisite to all other courses in this department.

PROFESSOR PUTNAM.

I (3) T. Th. S. 11:30

10. **EUROPEAN GOVERNMENTS:** A comparative study of the constitutional organization and practical working of the principal governments of Europe. Some knowledge of Modern European history is necessary as a preparation for this course.

PROFESSOR PUTNAM.

II (3) T. Th. S. 11:30

11. **INTERNATIONAL LAW:** A course designed to explain the origin and interpretation of the rules governing the relations of modern nations. Consideration is given to American diplomatic questions.

I (2) W. F. 11:30

PROFESSOR PUTNAM.

12. **PROBLEMS OF MUNICIPAL GOVERNMENT:** A comparative study of a number of American and European cities. Special attention is paid to problems in organization and administration and to control of public works.

II (2) W. F. 11:30

PROFESSOR PUTNAM.

- [13. **COLONIAL GOVERNMENT:** An examination of systems of colonial and territorial government, such as those found in American territories, the British self-governing colonies, and various dependencies inhabited by inferior races.]

PROFESSOR PUTNAM.

- [14. **CHARITIES AND CORRECTION:** A brief study of the dependent, defective, and delinquent classes and of the provision made by the state for dealing with them.]
PROFESSOR PUTNAM.
15. **ELEMENTARY SOCIOLOGY:** Designed to acquaint students with the scientific method as applied to the study of social phenomena; scope, relation to other disciplines, social forces, purpose. Text-books, lectures, assigned readings, papers, and discussions. Pre-requisite, junior standing. A course in organic evolution should precede it if possible. Supplementary readings for graduate credit.
PROFESSOR LUMLEY. I (5) Daily 8:00
16. **SOCIAL EVOLUTION:** A systematic study of primitive social organization and evolution, based mainly on ethnography and history. The forms and development of the industrial organization, arts, marriage and the family, government, and a brief introduction to primitive cults. Especially valuable to those entering any form of social work at home or abroad. Readings, lectures, papers, discussions. Supplementary readings for graduate credit. Pre-requisite, Elementary Sociology or its equivalent.
PROFESSOR LUMLEY. II (5) Daily 8:00
17. **RURAL SOCIOLOGY:** An outline study of rural social conditions, designed to give a broad foundation for (1) a more intensive investigation of special rural problems, economic, educational, religious, and (2) successful rural leadership in the country life movement. Lectures, assigned readings, first-hand investigations, discussions. Extra readings and papers for graduate credit. Pre-requisite, Elementary Sociology except for seniors, who may pursue courses 15 and 17 at the same time. I (3) T. Th. S. 10:30
PROFESSOR LUMLEY.
18. **METHODS OF SOCIAL REFORM:** With particular reference to American city problems. A survey of the chief methods of social reform, eugenics, euthenics, and religion. The course aims to acquaint the student with the most approved programs of social progress. Lectures dealing mainly with the programs of reform; assigned readings relative to the peculiar problems of modern city life. The founda-

tion is laid for a more intensive study of particular social problems. Extra readings for graduate credit. Prerequisite, Elementary Sociology. II (3) T. Th. S. 10:30

PROFESSOR LUMLEY.

19. **IMMIGRATION:** An outline study of the sources and extent of immigration to the United States, the character of the immigrants, and the methods of assimilation. Designed to give students a working basis for a more intensive examination of the problems connected with the present movement. Lectures, readings, and discussions. Prerequisite, Elementary Sociology. Extra readings for graduate credit. I (3) T. Th. S.

PROFESSOR LUMLEY.

20. **SOCIOLOGICAL SYSTEMS:** A survey of the most important literature of academic or theoretical sociology; first-hand investigation of the various classifications of social phenomena and systems of the recognized leaders of thought in this field. Lectures, wide readings, papers, discussions. Prerequisite, Elementary Sociology and Social Evolution. Extra readings for graduate credit. II (3) T. Th. S.

PROFESSOR LUMLEY.

- 21, 22. **SEMINAR:** Open to suitably prepared seniors. The resources of the Indiana State Library and the Indiana Bureau of Legislative Information are available for the students of this department.

I, II (2) F. 1:30-3:30

HISTORY.

PROFESSOR COLEMAN.

PROFESSOR UNDERWOOD.

General Statement. The Department of History seeks to give the student an insight into modern methods of historical work and a knowledge of results in certain limited fields. The courses are numbered approximately in the order of the degree of advanced work involved in them. In general, as much proficiency as is practicable should be gained in Latin, French, and German before taking up college History.

Courses.

- 1, 2. ANCIENT HISTORY: A survey of the ancient world out of which European civilization has developed, with emphasis upon the valleys of the Nile and the Euphrates and the eastern end of the Mediterranean Sea. Special attention will be given to the environment of the Hebrews and the historic setting of the Old Testament, as well as to the influence of earlier civilizations upon the development of the Greeks and the Romans. The course will begin with the earliest historical times and close with a short study of the Roman Empire. I, II (2) W. F. 8:00
PROFESSOR UNDERWOOD.
3. EUROPEAN HISTORY, 300-1500 A. D.: An outline course upon the history and institutions of Europe during the Middle Ages. Instruction is given by lectures, text-books, and collateral reading. I (5) Daily 10:30
PROFESSOR COLEMAN.
4. EUROPEAN HISTORY, 1500-1900: Continuation of course 1, but may be taken separately by those who have had two years of History in high school. II (5) Daily 10:30
PROFESSOR COLEMAN.
5. AMERICAN HISTORY, 1492-1760: A study of the planting of European colonies in America, and of the early development of Spanish, Portuguese, French, and English America, with especial reference to and emphasis upon the last named. Prerequisite, 30 hours of college work. I (5) Daily 9:00
PROFESSOR COLEMAN.
6. AMERICAN HISTORY, 1760-1898: While the achievement of independence by the thirteen English colonies and the development of the United States will occupy the larger part of the course, attention will also be given to the Latin American Revolution and the development of the Latin American nations. II (5) Daily 9:00
PROFESSOR COLEMAN.
14. THE PROTESTANT REVOLUTION IN GERMANY: See p. 71.
PROFESSOR COLEMAN.

21. **THE PURITAN REVOLUTION IN ENGLAND, 1603-1688:** This course will include a discussion of the principal persons and movements of the seventeenth century in England, and reading of some of the most important public documents. Prerequisite, 10 hours of college History. I (2) W. 1:30-3:30
PROFESSOR COLEMAN.
22. **ENGLAND IN THE EIGHTEENTH CENTURY:** A study of selected episodes and movements, not an attempt to cover the history of the period as a whole. Prerequisite, 10 hours of college History. II (5) Daily 1:30-3:30
PROFESSOR COLEMAN.

(For courses in Church History, see p. 70.)

RELIGIOUS EDUCATION.

PROFESSOR MORRO.

PROFESSOR HALL.

PROFESSOR COLEMAN.

PROFESSOR UNDERWOOD.

General Statement. These courses are intended to give the college student an introductory knowledge of the fundamental and essential principles which pertain to the Christian religion. They are planned for the general and not for the ministerial student, though all students who expect to become ministers, missionaries, or other religious workers are advised to elect courses from this department. It will be noted that the work of this department consists largely in imparting a knowledge of the English Bible. Candidates for the degrees of Bachelor of Arts or of Science may elect courses from this department on the same conditions as those from other departments.

- 1, 2. **NEW TESTAMENT HISTORY:** The life of Christ will be studied during the first semester and the Apostolic Age during the second. In each case the effort will be to get an accurate and adequate view of the essential facts, their relation to the contemporary life, and their significance for the present time.
PROFESSOR MORRO. I, II (5) Daily 10:30

[3, 4. HISTORY OF ISRAEL.

PROFESSOR UNDERWOOD.]

- 5, 6. HEBREW LITERATURE: A purely literary study of the Hebrew Scriptures, with a view to the appreciation of their beauty, variety, and power as works of literary art. Analysis of typical selections, illustrating lyric, prophetic, and wisdom poetry; oratory, drama, narration; a study of New Testament selections, showing influence of Hellenistic literature. Prerequisite, Freshman English. I, II (3) T. Th. S. 8:00

PROFESSOR UNDERWOOD.

- 7, 8. CHURCH HISTORY: See courses 11 and 14, page 71.

PROFESSOR COLEMAN.

I, II (3) T. Th. S. 11:30

- 9, 10. THE ESSENTIALS OF CHRISTIANITY: See Comparative Religions, courses 3, 4, page 72. I, II (2) W. F. 1:30

PROFESSOR MORRO.

- 11, 12. THE ETHICS OF THE OLD TESTAMENT: See courses 7, 8, page 70. I, II (2) W. F. 8:00

PROFESSOR HALL.

- 13, 14. THE DEVELOPMENT OF RELIGION AMONG THE HEBREWS: See courses 9, 10, page 70. I, II (2) W. F. 2:30

- 15, 16. INTRODUCTION TO RELIGIOUS EDUCATION: A study of principles and methods vital in moral and religious training, and of institutions for the promotion of religious education. The class will give special consideration to the Sunday school as an educative agency. Prerequisite, elementary course in Psychology.

PROFESSOR UNDERWOOD.

I, II (2) W. F. 10:30

BIOLOGY.

PROFESSOR BRUNER.

General Statement. This department aims (1) to meet the demands of a liberal education, and (2) to prepare students for teaching, investigation, and medicine. The elementary courses in zoology

and botany are designed partly to meet the first demand and partly to furnish a basis for more advanced work.

The method of instruction recognizes the value both of the ideas of science and of discipline; it emphasizes general principles, and at the same time encourages the acquisition of the methods and habits of scientific investigation. Lectures and recitations go hand in hand with practical work, in which each student is required to make a faithful record of his observations.

To meet the requirements for graduation, courses 1 and 2 in Zoology may be elected. In all cases both courses must be taken to receive credit, but students from other colleges may offer an equivalent for one or both of these courses.

A laboratory fee of \$4.50 per semester is charged in all cases excepting course 7, the fee for which is \$1.50.

Courses in Zoology.

1. **ELEMENTARY ZOOLOGY:** (a) General introduction. The most important characteristics of living matter; structure and properties of the cell; origin of tissues and organs.
(b) The vertebrate type and its chief modifications; laboratory work on *Amphioxus*, dogfish, frog, lizard, pigeon, mammal.
Outline of the theory of evolution. I (5) Daily 10:30-12:30
2. **ELEMENTARY ZOOLOGY (continued):** An outline of the structure, functions, and classification of invertebrates.
II (5) Daily 10:30-12:30
- [3. **HISTOLOGICAL AND MICROSCOPICAL METHODS.**]
4. **EMBRYOLOGY OF VERTEBRATES:** Lectures on segmentation, the formation of the germ layers, and the development of organs; practical study of the chick, frog, and pig. This course must be preceded by course 2. II (5) Daily 10:30-12:30
5. **COMPARATIVE ANATOMY OF VERTEBRATES:**
 - (1) A review of the classification and development of vertebrates.
 - (2) A study of physiological mechanisms—skeleton, muscular

system, nervous system, sense organs, respiratory systems, urogenital systems, etc.

Open to students who have taken courses 1 and 2.

I (5) Daily 10:30-12:30

6. **MAMMALIAN ANATOMY:** This course is intended for students who desire an acquaintance with the structure of the mammalian body as a preparation for work in physiology, anatomy, and medicine. Prerequisite, course 1. Reighard and Jennings' *Anatomy of the Cat*.
II (5) Daily 10:30-12:30

[7. **PHYSIOLOGY.**]

8. **THE THEORY OF EVOLUTION:** Prerequisite, Zoology 1 and 2, or an equivalent.
I (2) W. F. 9:00

9. **BIOLOGICAL PROBLEMS:** Prerequisite, course 8.

II (2) W. F. 9:00

Courses in Botany.

1. **ELEMENTARY BOTANY:** This course deals with the larger groups of plants—algæ, fungi, liverworts, mosses, ferns, seed-plants—whose general characteristics are illustrated by the study of typical forms. In connection with the above, particular attention is given to cell structure, the differentiation of cells and tissues, the origin of sex, alternation of generations, and the significance of the seed.
II (3) T. Th. S. 8:30-10:30

[2. **ECOLOGY.**]

GEOLOGY AND PHYSICAL GEOGRAPHY.

PROFESSOR BRUNER.

General Statement. The instruction offered in this department is intended as an introduction to the entire field of geological science. The subject-matter is believed to include that which is most interesting to the student, and at the same time most valuable to the average citizen. The collections in the museum are of great value for illustration of the work outlined below.

[1. **ELEMENTARY GEOLOGY.**]

CHEMISTRY.

PROFESSOR BROWN.

General Statement. The courses offered in this department are primarily designed to meet the wants (1) of those desiring a general knowledge of the subject, and (2) of those feeling the need of more advanced work in order to prepare themselves for research work, teaching, medicine, chemical engineering, or other professions.

The instruction is given by means of lectures, recitations, and laboratory work. The lectures are fully illustrated by numerous classroom experiments, and are supplemented by recitations, written exercises, written examinations, problems, and laboratory work.

To each student is assigned his own desk with separate outfit of apparatus and chemicals. Courses 1 and 2 constitute a continuous course.

Courses.

- 1, 2. **GENERAL INORGANIC CHEMISTRY:** Elementary. The non-metals and metals. Lectures, recitations, and laboratory work. A systematic study of the principal elements and their compounds, and the underlying principles and laws of the science. Much emphasis is laid on the scientific method as illustrated by chemistry, and the applications of chemistry to human economy. During the second semester considerable time will be given to elementary qualitative analysis. Students who present chemistry as an entrance unit will have three periods a week for three hours' credit the first semester. All students will have five periods a week for five hours' credit the second semester.

I, II (5) T. W. Th. F. 1:30-3:30, S. 12:00-1:00

3. **QUALITATIVE ANALYSIS:** Lectures, recitations, and laboratory work. A systematic course in qualitative analysis, including a comparison of the different methods of separation and identification of inorganic substances, both in solution and in the dry condition. The ionic theory and the law of mass action, as applied to the work in this course, are fully discussed. Prerequisite, courses 1 and 2, or an equivalent. During the last few weeks of this course the study of organic chemistry as outlined in course 4 will be begun.

I (5) Daily 10:30-12:30

4. **GENERAL ORGANIC CHEMISTRY:** Lectures, recitations, and laboratory work. The principles of organic chemistry, together with the preparation and the study of the properties of the typical series of compounds of carbon. This course is especially recommended to those desiring a good general knowledge of elementary organic chemistry. Prerequisite, courses 1 and 2. Lectures and recitations two days a week at 10:30, laboratory work, three days a week, 10:30-12:30. II (5) Daily
- 5, 6. **QUANTITATIVE ANALYSIS:** Lectures, recitations, and laboratory work. An introduction to quantitative methods and the chemistry upon which those methods are based. Analysis of salts, alloys, commercial products, etc., by gravimetric, volumetric, and electrolytic methods. Prerequisite, courses 1, 2, and 3, or the equivalent. I, II (3) T. Th. S. 10:30-12:30
- 7, 8. **ADVANCED QUANTITATIVE ANALYSIS:** A continuation of the work of courses 5 and 6. More advanced processes of analysis, with special emphasis on industrial applications. The courses include the more characteristic processes of food, water, gas, coal, alloy, fertilizer, soil, mineral analysis, etc.; electrolytic methods, and organic combustion. Prerequisite, courses 1 to 6, inclusive. I, II (3) T. Th. S. 10:30-12:30
- [9, 10. **PHYSICAL CHEMISTRY.**]
- 11, 12. **INDUSTRIAL AND SYNTHETIC CHEMISTRY:** Lectures, recitations, and laboratory work. Consideration of the more important chemical industries of the day. The laboratory work consists mainly of the preparation of inorganic substances and some organic substances. Consideration of the conditions under which the best quantitative yields may be obtained, especially as applying to industrial conditions.
- 13, 14. **SPECIAL WORK:** Students who have completed courses 1 to 10, inclusive, or the equivalent, and who show special qualifications, may be assigned special work along lines of original investigations, or special analytical problems.
- [15, 16. **ADVANCED ORGANIC CHEMISTRY AND QUALITATIVE ANALYSIS.**]

Courses 9 and 10, 11 and 12 will be alternate in successive years.

The laboratory fee for courses 1 and 2 is \$4.50 each; for courses 3 and 4, \$6.00 each; for courses 5, 6, 7, 8, \$4.00 each; for courses 9, 10, 11, 12, \$3.00 each. These fees are for each semester, payable in advance. Extra charges are made for breakage, damage to apparatus, and the more expensive chemicals.

PHYSICS.

MR. KUEBLER.

General Statement. The work of this department is arranged to present a knowledge of general physics as carefully and thoroughly as possible. The courses consist of lectures and recitations, supplemented with much laboratory work which is entirely quantitative and individual. A laboratory fee of \$3.00 per semester is charged.

Courses.

GENERAL PHYSICS 1, 2: All important laws and phenomena of physics are considered in these courses. Recitations cover work presented in lectures, together with definite text-book assignments and solutions of problems involving principles of the subject. In the laboratory the student is held for observations, an accurate account of the experiments performed, possible sources of error, and discussions of theories involved.

1. MECHANICS, HEAT, SOUND. I (5) Daily 8:00-10:00
2. LIGHT, MAGNETISM, AND ELECTRICITY. II (5) Daily 8:00-10:00

MATHEMATICS AND ASTRONOMY.

PROFESSOR JOHNSON.

General Statement. The work in mathematics is arranged with a view to the interest (1) of those who desire to pursue mathematics as a means of general culture, and because of the valuable men-

tal discipline which it affords, (2) of those who wish to use mathematics as an instrument in the study of the physical sciences, and (3) of those who intend to become teachers and investigators in mathematics.

The courses in mathematics outlined below may be divided into elementary and advanced. By elementary courses are meant the courses in geometry, trigonometry, higher algebra, analytic geometry, differential and integral calculus. These courses are necessary in preparation for all the other courses given in mathematics.

While the more advanced courses are not all given each year, they vary from year to year in such a way that a student may receive continuous instruction in mathematics for five or six years.

The courses in astronomy are designed (1) for the general student, (2) as a basis for advanced work in theoretical and practical astronomy. The courses in mechanics show the application of calculus to physics and prepare the student for advanced theoretical physics and celestial mechanics.

Students who do not offer solid geometry for entrance to college may receive college credit for course A. It is, however, recommended that solid geometry be included among the elective units offered for entrance.

Courses in Mathematics.

A. SOLID GEOMETRY: The usual theorems and constructions, including the relations of planes and lines in space; the properties of prisms, pyramids, cylinders, cones, and spheres; numerous original exercises.

1. PLANE TRIGONOMETRY: After developing the fundamental principles, many exercises are given to furnish drill in the application of the formulas to the solution of problems.

ADVANCED ALGEBRA: Besides a brief review of the quadratic equation, this course includes permutations, combinations, logarithms, theory of equations, application of the principle of mathematical induction, determinants, Horner's method of solving numerical equations, elements of the theory of complex numbers, and the algebraic solution of the general cubic and bi-quadratic equations. Prerequisite, trigonometry.

I (5) Daily 9:00

2. **ANALYTICAL GEOMETRY:** The application of algebra to geometry. The conic sections and their equations receive most attention. Some time is given to solid geometry. Prerequisite, course 1.
II (5) Daily 9:00
3. **DIFFERENTIAL CALCULUS:** Since this is a decidedly new field to the student, the transition is made cautiously. This is largely a drill course, but aims at vigor in the treatment in so far as seems desirable in beginning this subject. Prerequisite, courses 1 and 2.
I (5) Daily 8:00
4. **DIFFERENTIAL AND INTEGRAL CALCULUS:** Continuation of course 3, about four weeks being devoted to the differential and fourteen weeks to the integral calculus. Considerable attention is given to applications of calculus to geometry and mechanics.
II (5) Daily 8:00
- [5. **THEORY OF EQUATIONS.** Prerequisite, course 4.]
- [6. **THEORY OF EQUATIONS.** Continuation of course 5.]
- [7. **DIFFERENTIAL EQUATIONS.** Prerequisite, course 4.]
8. Continuation of course 7.
II (2) W. F. 2:30
9. **ADVANCED DIFFERENTIAL CALCULUS:** Based on Byerly's Differential Calculus. Prerequisite, course 4.
I (3) T. Th. S. 2:30
10. **ADVANCED INTEGRAL CALCULUS:** Byerly's Integral Calculus, supplemented by lectures. The topics studied are imaginaries, definite integrals, multiple integrals, elliptic integrals, and elements of functions of a complex variable. Prerequisite, course 9.
II (3) T. Th. S. 2:30
11. **THEORY OF FUNCTIONS:** This course deals with conformal representation, infinite series, singular points of analytic functions, and particularly with algebraic functions. Prerequisite, course 10.
I (2) W. F. 2:30
12. **PROJECTIVE GEOMETRY:** The geometry of the projective group in the plane and in space is studied by both the analytic and syn-

thetic methods; applications to non-Euclidian geometry. Prerequisite, course 10. II (2) W. F. 2:30

Courses in Astronomy and Mechanics.

- [1. GENERAL ASTRONOMY.]
- [2. GENERAL ASTRONOMY. Continuation of course 1.]
- [3. ELEMENTARY MECHANICS. Prerequisite, Mathematics 1.]
- [4. ANALYTIC MECHANICS. Prerequisite, Mathematics 6.]
- [5. ANALYTIC MECHANICS. Continuation of course 4.]
- [6. INTRODUCTION TO CELESTIAL MECHANICS. Prerequisite, Mechanics 4, 5.]

PHYSICAL TRAINING.

RICHARD MELLER, Director.

General Statement. The Department of Physical Training is designed to promote the best health of the individual, to enable him to coordinate muscular movements more quickly and gracefully, to provide for greater physical symmetry, and to inculcate a knowledge of the functions of his own body. To facilitate these ends a gymnasium is provided, equipped with necessary apparatus and furnished with dressing room, lockers, and shower baths. The gymnasium building is under the supervision of a competent director or his assistant. Eight hours' work is required for graduation, 4 of which must be taken in either the Freshman or Sophomore year.

Gymnastic costumes will be required of all students taking work in the Department of Physical Training. Such a costume can be obtained at a small cost.

DEPARTMENT OF MINISTERIAL EDUCATION

FACULTY.

THOMAS CARR HOWE, Ph. D., President.

WILLIAM CHARLES MORRO, B. D., Ph. D., Head of the Department,
Professor of New Testament Text and Interpretation.

JABEZ HALL, A. M., Professor of Homiletics and Theology.

CHRISTOPHER BUSH COLEMAN, A. B., B. D., Professor of Church History.

CHARLES EUGENE UNDERWOOD, Ph. D., Professor of Old Testament
Language and Literature.

CHARLES THOMAS PAUL, A. M., President College of Missions and
Professor of Missionary History and Linguistics.

HARRY CLARK HURD, A. M., M. D., Professor of Anthropology and
Missionary Science, College of Missions.

FRED ELMORE LUMLEY, B. D., Ph. D., Professor of Social Science,
College of Missions.

JOHN GRAFTON MCGAVRAN, A. M., Professor of Comparative Religion
and Indian Languages, College of Missions.

GENERAL STATEMENT.

Advantages which Butler College offers to those preparing for the ministry and to ministers seeking to improve their equipment are: Central location in an ideal residence district of a city of about 260,000 population, with steam and electric roads radiating from Indianapolis, affording access to numerous churches in need of preachers; strong city churches and ministers whose work will repay observation and study; close touch with the national headquarters and the College of Missions

of the Christian Woman's Board of Missions; good college courses in a college of high standing and reputation; a course of study which gives the student not only a broad outlook, but specific training for the work of the ministry; large libraries belonging to the College, the city of Indianapolis, and the State, all accessible to students.

Courses are offered in all of those branches of instruction which are ordinarily included in the curriculum of a theological seminary. This provides a complete and fully rounded out training for the man who plans to do the work of the minister.

Students. Every student who is admitted to this department must be of good, well-established Christian character. He should present a letter from the church in which he holds membership, from his pastor, or from some person competent to certify as to his integrity. Students admitted to this department are of two classes, viz., regular and special. Regular students are those who have been graduated from some approved college. In some exceptional cases where the applicant is not a college graduate he may by special permission be admitted by the faculty as a regular student. Special students are those who are not college graduates and who for good reasons do not purpose to complete either the requirements for an undergraduate degree or the work of this department. They will be admitted only by consent of the faculty. In no case will any student be admitted to this department who has not completed at least two years of the college course. For those whose training is deficient, provision is made by Butler College, and attention is especially directed to the Department of Religious Education, the courses of which are listed on page 54 of this catalog. The provisions of this department enable a student to secure a fair amount of Biblical instruction while completing his undergraduate work.

Prospective students for the ministry are recommended in planning their college course to become as proficient as possible in knowledge of the ancient classics and Hebrew, and to take as a minimum at least one full course in some one of the natural sciences; and in each of the following: History, Sociology, Economics, and Philosophy. Students who have neglected any of these disciplines may be asked upon entering this department to make up the deficiency. Prospective stu-

dents for the ministry are advised to elect as many as possible of the courses announced in the Department of Religious Education. This will make possible a wider range of studies for the degree of Bachelor of Divinity.

Degrees. The requirements for the degree of Bachelor of Divinity include the completion in a satisfactory way of 90 hours from the courses listed below and the acceptance of a thesis on some approved subject prepared under the direction of some member of the faculty of this department and an oral examination. In meeting these requirements for the degree, the student may elect freely from the courses listed below, except that he must offer not less than 12 hours from the Department of Old Testament; not less than 15 hours from the Department of New Testament; and not less than 12 hours from the Department of Theology, and not less than 6 hours from the Department of Church History. In each department these required hours must include the courses marked *Required for the degree of Bachelor of Divinity*. Homiletics and Pastoral Theology will be required of all prospective ministers. At least 18 hours must be taken in one department, or 24 in closely related departments. In the latter case 12 hours must be taken in one department and the remaining 12 in subjects approved by the head of that department. This will constitute the student's major subject of study, and the thesis must be written upon some topic chosen from the field of the major study. In all ordinary cases, it will require three college sessions to complete the required courses and write the thesis, but students of Butler College may during their Junior and Senior years elect from the Department of Religious Education and from the courses of other departments listed below sufficient to make 30 hours, and these will be credited toward the degree of Bachelor of Divinity. This enables a student to secure the degree of Bachelor of Divinity within two years after receiving his degree of Bachelor of Arts from Butler College. In no case will work done during the Freshman or Sophomore years, nor will more than 30 hours of Junior and Senior work be credited toward the degree of Bachelor of Divinity. Not more than 15 hours of work presented for the degree of Master of Arts can be counted toward the degree of Bachelor of Divinity. The mini-

mum passing grade for all work counted toward a graduate degree in Butler College is 70 per cent. Students who expect to take courses in this department are requested to make application through the head of the department for admission. Blanks for this purpose will be provided. The faculty reserves the right to require certain courses of those who apply for the degree of Bachelor of Divinity and to grant the diploma without the degree to those whose work, while above the passing mark, is not considered of quality to merit the degree.

THE COLLEGE OF MISSIONS.

The names of the faculty and the courses of instruction offered by the College of Missions are listed in this department. This institution is located in close proximity to Butler College. It is maintained by the Christian Woman's Board of Missions. Its standards of admission are practically the same as those of the Department of Ministerial Education of Butler College. The students of the College of Missions have access to the classes of this department, and any student in the Department of Ministerial Education of Butler College may, on securing the approval of the faculty of this department, elect any course offered by the College of Missions.

COURSES OF INSTRUCTION

OLD TESTAMENT.

PROFESSOR UNDERWOOD.

- 1, 2. HEBREW: For description of these courses see page 41.
I, II (3) T. Th. S. 9:00
- [3, 4. HISTORY OF ISRAEL: Required for the degree of Bachelor of Divinity.]
- 5, 6. HEBREW LITERATURE: For description of these courses see p. 55.
I, II (3) T. Th. S. 8:00
- [7, 8. INTRODUCTION OF THE OLD TESTAMENT.]

9. **THE CANON AND TEXT OF THE OLD TESTAMENT:** The history of the formation of the Old Testament canon, the textual history, and transmissions of the Old Testament. I (3) T. Th. S. 10:30
10. **THE APOCRYPHA AND PSEUDEPIGRAPHAE:** Historical and literary study of apocryphal and pseudepigraphical literature. II (3) T. Th. S. 10:30
- [11, 12. **THE PROPHETS OF ISRAEL.** Required for the degree of Bachelor of Divinity.]
13. **BIBLICAL SOCIOLOGY:** An advanced course dealing with the social organization and evolution described in the Old Testament. Open only to graduate students who have taken Elementary Sociology and Social Evolution and have therein shown a capacity for original research. Lectures, readings, papers, and discussions. I (2) PROFESSOR LUMLEY.

NEW TESTAMENT.

PROFESSOR MORRO.

- 1, 2. **HELLENISTIC GREEK:** Selected passages will be read from the Septuagint, the Gospels, Acts of Apostles, the Epistles, and the Apocalypse. Attention will be given to the rise of the Common Dialect and the relation of the Greek of the New Testament to it and to Classical Greek. Certain historical and archeological questions which relate to the language of the New Testament will be discussed. Principles of hermeneutics will be formulated and the student will be given practice in the exegesis of selected passages. Prerequisite, two years of classical Greek. Required for the degree of Bachelor of Divinity. I, II (3) T. Th. S. 9:00
- 3, 4. **NEW TESTAMENT INTERPRETATION:** Certain books of the New Testament will be read critically and exegetically. For the most part entire books and not selections from books will be studied. Each student will be required to read some critical commentary. The books to be read will be selected to suit the choice and convenience of the class. Prerequisite, course 1. Required for the degree of Bachelor of Divinity. I, II (2) W. F. 9:00

- 5, 6. **NEW TESTAMENT HISTORY:** For description of these courses see page 54. Required for the degree of Bachelor of Divinity.
I, II (5) Daily 10:30
- 7, 8. **NEW TESTAMENT INTRODUCTION:** This course will consist of the study of (1) The history of the formation of the New Testament Canon; (2) the dates and authorship of the New Testament books; (3) the textual history and transmission of the New Testament; (4) its credibility and authority, and (5) the history of the English Bible.
I, II (3) T. Th. S. 1:30
10. **THE SOCIAL TEACHINGS OF JESUS:** Inquiry into the character of Christ's teachings and their implications in relation to present-day social problems. A popular course, open to all students. Lectures, readings, and discussions.
I (2) W. F.
PROFESSOR LUMLEY.

THEOLOGY.

PROFESSOR HALL.

1. **OUTLINE OF THEOLOGY AND ITS LITERATURE:** This study aims to acquaint the student with the relations and the proper order and method of study of the entire course of the theological sciences. An outline of the sciences and of the literature related to them furnishes the student with a general view of the whole field which he will take up afterward in detail.
I (3) T. Th. S. 11:30
2. **OUTLINE OF CHRISTIAN THEOLOGY:** A text book will be used in this course, supplemented by special readings from related works.
II (3) T. Th. S. 11:30
- 3, 4. **BIBLICAL THEOLOGY OF THE NEW TESTAMENT:**
(1) The Teaching of Jesus.
(2) The Teaching of Paul.
(3) The Teaching of John.
A suitable textbook will be used, but selected readings from the biblical material will be given special prominence.
I, II (2) W. F. 11:30

- 5, 6. **BIBLICAL THEOLOGY OF THE OLD TESTAMENT:** Direct selective studies of the Old Testament from the theological point of view and readings from authors treating this study systematically.
I, II (3) T. Th. S. 8:00
- 7, 8. **ETHICS OF THE OLD TESTAMENT:** A textbook will be used in this course.
I, II (2) W. F. 8:00
- 9, 10. **THE DEVELOPMENT OF RELIGION AMONG THE HEBREWS:** This course aims to show the relation and progress of Hebraic religion (1) as it is rooted in the ideas and usages of the patriarchal period; (2) as developed in Mosaism; (3) as matured by the prophets; and (4) all as related to the Christian Religion.
I, II (2) W. F. 2:30

HOMILETICS.

PROFESSOR HALL.

1. **HOMILETICS:** This subject will be studied by means of a textbook supplemented with sermonic literature representative of the history of preaching; the characteristics of great preachers; and the modern trend of preaching. Students will be required to prepare original sermons.
I (3) T. Th. S. 2:30
2. **PASTORAL CARE:** In addition to a textbook, special attention will be given to present-day work as illustrated by city and country churches accessible to the student.
II (3) T. Th. S. 2:30

CHURCH HISTORY.

PROFESSOR COLEMAN.

General Statement. The courses in Church History are intended to introduce the student to the principal sources of information upon the development of Christianity. They are open only to those of Junior class standing or above, and are equivalent in amount to the work usually given in one year of a Divinity School or Theological Seminary.

11. **OUTLINE OF CHURCH HISTORY:** A general survey of the beginnings and development of the Christian religion. Prerequisite, 60 hours, of which at least 10 must be in History. Required for the degree of Bachelor of Divinity. 1 (3) T. Th. S. 11:30
14. **THE PROTESTANT REVOLUTION IN GERMANY, 1517-1555:** A study of the causes and development of the Protestant movement in Germany. The course will include a reading of some of Luther's principal writings. Economic and political conditions in Germany will also be discussed. Prerequisite, 60 hours of college work, of which at least 10 must be in History. Required for the degree of Bachelor of Divinity. II (3) T. Th. S. 11:30
- 15, 16. **HISTORY OF MISSIONARY EXPANSION:** General course tracing the propagation of Christianity from its origin down to the present time. Church history is here presented from the viewpoint of expansion rather than that of doctrinal development. An attempt is made to appreciate not only the personality and methods of the great missionary leaders, but also the environments in which they worked. The following reference works indicate in general the scope and materials of the course: Early Period—The New Testament, Harnack's *Expansion of Christianity During the First Three Centuries*. Middle Period—Thomas Smith's *Medieval Missions*. Modern Period—G. Warneck's *History of Protestant Missions*, Gareis' *Geschichte der Evangelischen Mission*. Lectures, abundant readings, and reports. I, II (3) T. Th. S. 11:30

PROFESSOR PAUL.

COMPARATIVE RELIGIONS.

PROFESSOR MORRO.

PROFESSOR PAUL.

PROFESSOR MCGAVRAN.

1. **THE SCIENCE OF RELIGION:** Its history, problems, and methods. Introductory study of the origin and nature of religion, and the classification of its forms. I (2) W. F.

PROFESSOR PAUL.

5, 6. HISTORY AND COMPARISON OF RELIGIONS:

(a) Primitive Cults. The beliefs and practices of uncivilized peoples, prehistoric and extant—Animism, Totemism, Fetichism, Myth, Legend, Magic. The student is made acquainted with the main results of archaeology and comparative mythology.

(b) Ancient Systems. Religions of the Semites and Egyptians, with the special aim of showing the distinctive character and mission of Israel. (c) Mohammedanism. The life of Mohammed. The sources and teachings of the Qu'ran. Development and present status of Islam in Arabia, Asia Minor, Turkey, Persia, Africa, China, and other lands. Babism.

PROFESSOR MCGAVRAN.

I (3) T. Th. S. 1:30

(d) Religions of India. Vedism, Brahmanism, Upanishadic Philosophy, Buddhism, Parseeism, Sikhism, Jainism, and other minor cults; Modern Hinduism, Brahmo-Somaj, Ayra-Somaj, and other reform movements.

II (3) T. Th. S. 1:30

PROFESSOR MCGAVRAN.

(e) Religions of China and Japan. Confucianism, Taoism, Chinese and Japanese Buddhism, Shintoism, Bushido.

PROFESSOR PAUL.

II (3) T. Th. S.

3, 4. THE ESSENTIALS OF THE CHRISTIAN RELIGION: The aim of this course will be to state the fundamental truths of Christianity on such subjects as God, the person of Christ, the Scriptures, sin, salvation, etc. Comparison will constantly be made with the teachings of other great religions on the same subjects.

PROFESSOR MORRO.

I, II (2) T. 7:00-9:00 p. m.

RELIGIOUS PEDAGOGY.

For courses in the History of Education see p. 48, and courses in Introduction to Religious Education see p. 55.

PUBLIC SPEAKING.

For courses in Public Speaking see p. 47.

Courses in the College of Missions.

1. HISTORY OF SPECIFIC MISSION FIELDS: Japan. Designed especially for students preparing for work in Japan. I (2)
MR. OIWA.
2. HISTORY OF SPECIFIC MISSION FIELDS: China. Designed especially for students preparing for work in China II (2)
PROFESSOR PAUL.
4. HISTORY OF SPECIFIC MISSION FIELDS: India, Persia, and the Near East. Designed especially for students preparing for work in India. II (2)
PROFESSOR MCGAVRAN.
- 7, 8. THE SCIENCE OF MISSIONS: A systematic survey of the general task of world evangelization—a study of missionary forces and principles in the light of the Church's experience. Lectures, abundant readings, discussions, and reports. I, II (2)
PROFESSOR HURD.
5. ANTHROPOLOGY: A study of man, his origin, nature, place in the universe, and his destiny in the light of modern science and the teachings of the Bible. The aim is to create an interest in the capacities and needs of man as man, to appreciate the value of human personality in such a way as to emphasize the reasonableness of the missionary obligation. Lectures, reports, discussions, and extended readings. I (5)
PROFESSOR HURD.
6. ETHNOLOGY: A study of mankind in its tribal and racial diversity as the problem of missions. The early migrations, racial characteristics, and geographical distribution of the peoples of the earth are studied in detail. Lectures, recitations, discussions, and reports. Prerequisite, Anthropology. II (5)
PROFESSOR HURD.
19. AMERICAN MISSIONS: An outline course to study the general Home Mission program of the Protestant Church; methods of organiza-

tion, fields occupied and unoccupied, nature of the problems, inter-denominational allies. Wide readings, papers, and discussions.

PROFESSOR LUMLEY.

II (2) W. F.

- 21, 22. LINGUISTICS: (a) The science of language, (b) Phonetics, (c) Methods of studying and teaching languages.

PROFESSOR PAUL.

I, II (2) W. F.

- [23, 24. CHINESE: Designed for those who plan to work in China.]

- 25, 26. JAPANESE: Designed for those who plan to work in Japan.

MR. OIWA.

I, II (5) Daily

- 27, 28. LANGUAGES OF INDIA: Designed for those who plan to work in India, Hindi, and Ardu are offered in 1913-'14.

PROFESSOR MCGAVRAN.

I, II (5) Daily 10:30

- 29, 30. MEDICINE AND HYGIENE: (a) Elements of medicine, (b) Elements of surgery, (c) Tropical medicine and hygiene.

PROFESSOR HURD.

I, II (5) Daily 8:00

Other Courses.

The following courses offered by the professors of Butler College, when taken in accordance with the regulations given above, may be credited toward the degree of Bachelor of Divinity:

PHILOSOPHY: Courses 5, 6, 7, 8, 9, 11.

ENGLISH: Courses 5, 6, 13, 14, 15, 16.

ECONOMICS AND SOCIOLOGY: Courses 1, 5, 14, 15, 16, 17, 18, 19, 20.

In addition to those listed in the several departments above, the following courses offered by the faculty of the College of Missions are open to election, under the conditions stated elsewhere, by the students of Butler College. For fuller description of these courses see catalog of the College of Missions.

NORMAL COURSE FOR TEACHERS

SESSION OF 1914.

MONDAY, MAY 25—SATURDAY, AUGUST 15.

GENERAL ANNOUNCEMENT.

Under the present school law of Indiana all teachers in the common schools of the State who begin their work after August 1, 1908, must have at least twelve weeks of professional training in an approved normal school or college. Teachers are divided, according to preparation, experience, success, and character of license held, into three classes, A, B, and C, and a maximum and minimum salary fixed for each class.

Butler College is accredited by the State Board of Education for the preparation of teachers in each of the three classes, A, B, and C, provided for by the law. The special twelve-weeks' course herein announced is arranged for the benefit of those who desire to be enrolled this year under Class A, or to do additional work leading to enrollment in Classes B and C.

All graduates of commissioned or certified non-commissioned high schools, and those who have equivalent scholarship, who secure a license of twelve months, become by the completion of the Butler College twelve-weeks' normal course members of Class A, and are eligible to teach in any of the common schools of Indiana.

COURSES OF INSTRUCTION.

The following courses are open to all graduates of high schools and to other approved applicants. Those who expect to be enrolled as teachers in Class A are required to take courses 1 and 2,, and any one of courses 3, 4, and 5. No one, unless by special permission, will be allowed to take more than three courses. Courses 1 and 2 and one

other course give all the professional training required of teachers in Class A.

All courses consist of five recitations, of fifty minutes, each week for twelve weeks. The instructors, for the most part, are regular members of the Butler College faculty.

Observation of work in the city schools of Indianapolis is arranged for and required in connection with all of the courses. As the Indianapolis schools are among the best in the United States, and the instructors in the Butler College normal course enjoy the hearty cooperation of the city schools, this part of the work is of great advantage, and is one of the most attractive features of the course.

Courses.

1. PRINCIPLES OF EDUCATION. (Required.)
2. PRINCIPLES OF TEACHING. (Required.)
3. TEACHERS' COURSE IN ENGLISH: Language, Grammar, and Composition.
4. TEACHERS' COURSE IN UNITED STATES HISTORY.
5. TEACHERS' COURSE IN ELEMENTARY MATHEMATICS.

SUMMER SCHOOL

FACULTY.

DEAN.

THOMAS CARR HOWE, PH. D., President of Butler College.

DEPARTMENT OF ENGLISH.

CLINTON JOSEPH MASSECK, A. M., Harvard University, Doctor of Letters, University of Paris; Instructor in English, Washington University, St. Louis, Missouri.

DEPARTMENT OF HISTORY AND ECONOMICS.

JAMES W. PUTNAM, PH. D., Professor of Economics and Political Science, Butler College.

DEPARTMENT OF EDUCATION.

ELIJAH JORDAN, PH. D., Professor of Philosophy, Butler College.

DEPARTMENT OF BOTANY.

HENRY LANE BRUNER, PH. D., Professor of Biology and Geology, Butler College.

DEPARTMENT OF MATHEMATICS.

ELIJAH N. JOHNSON, A. M., M. S., Professor of Mathematics, Butler College.

DEPARTMENT OF CHEMISTRY.

JAMES BROWN, PH. D., Professor of Chemistry, Butler College.

CALENDAR.

June 15, Monday—Registration.

June 16, Tuesday—Instruction begins.

July 24, Friday—Examinations begin.

July 25, Saturday—Examinations and close of Summer School.

GENERAL STATEMENTS.

Terms of Admission. There will be no formal examinations for admission. Students, both men and women, will be admitted to such courses as they are qualified to pursue. The regular class in-

struction of the Summer School will begin promptly on June 16. After June 30 no change of courses will be allowed, nor will credit for attendance be given to students entering after that date.

All classes recite on M. T. W. Th. and F. Single courses, one hour each day, entitle students to two semester hours' credit.

Double courses, two hours each day, entitle students to four semester hours' credit.

Students may take work to the amount of six semester hours.

FEES.

Single course.....	\$ 6 00
Double course.....	12 00
Laboratory fee for Botany.....	1 00
Laboratory fee for Chemistry.....	4 00

COURSES.

English.

ENGLISH COMPOSITION, with emphasis chiefly on expression.

Single Course.

VICTORIAN POETS: A study of the various movements of the period.

Single Course.

History and Economics.

POLITICAL HISTORY OF THE UNITED STATES.

Single Course.

THE INDUSTRIAL HISTORY OF THE UNITED STATES.

Double Course.

Philosophy.

SOME PHASES OF THE HISTORY OF EDUCATION.

Single Course.

Botany.

ELEMENTARY BOTANY OR ECOLOGY.

Double Course.

(Two-hour lecture two days each week; four hours in laboratory three days each week.)

Mathematics.

DESCRIPTIVE ASTRONOMY.

Double Course.

Chemistry.

GENERAL CHEMISTRY, QUALITATIVE AND QUANTITATIVE ANALYSIS,
AND ORGANIC CHEMISTRY.

EXTENSION COURSES

IN COOPERATION WITH THE INDIANAPOLIS PUBLIC SCHOOLS.

OFFICERS AND INSTRUCTORS.

THOMAS CARR HOWE, President of Butler College.

JAMES WILLIAM PUTNAM, Director of Extension Courses.

EDWARD BAILEY BIRGE, Director of Music, Indianapolis Public Schools. (1912 N. Pennsylvania St., New Phone 6381.)

CHRISTOPHER BUSH COLEMAN, A. B., B. D., Professor of History, Butler College. (33 Downey Ave., Old Phone, Irvington 1322.)

WILL DAVID HOWE, PH. D., Professor of English, Indiana University, Bloomington, Indiana.

JOHN SAMUEL KENYON, PH. D., Professor of English Literature, Butler College. (5339 University Ave., Old Phone Irvington 500.)

ROUSSEAU MCCLELLAN, A. B., Head of the Department of Biology and Physical Geography, Shortridge High School. (2304 N. Pennsylvania St., New Phone 6577.)

LANDER MACCLINTOCK, A. M., Assistant Professor of French, Butler College. (28 Downey Ave., Old Phone Irvington 8.)

WILLIAM NAILL OTTO, A. M., Head of the Department of English, Shortridge High School. (4815 Central Ave., Old Phone Broad Ripple 173.)

JAMES WILLIAM PUTNAM, PH. D., Professor of Political Science, Butler College. (40 S. Ritter Ave., Old Phone Irvington 218.)

GENERAL ANNOUNCEMENT

The object of this department is to offer instruction in a limited number of college subjects to persons who can not attend the regular college classes. Classes are held once a week, either after the close of teaching and business hours or on Saturday. The work is of the same standard and character as ordinary college work. But, while the general purpose is culture and training in the methods and spirit of mod-

ern scholarship, many of the courses are so shaped as to be of direct use to those engaged in teaching in the public schools, in the study of art and literature, or in certain forms of business.

Admission. 1. Any one who has fulfilled the requirements for admission to Butler College [See Catalog for 1912-'13, p. 27 ff.] is admitted as a *regular student*, i. e., as a candidate for a college degree.

2. Any one who, in the judgment of the instructor, is qualified to do the work which he desires to take, may be admitted to such work as an *unclassified student*. If later he becomes a regular student, credits obtained in this department will apply toward a degree.

Fees. The fee for a full, or major, course for the year 1913-'14 will be \$10.00. This is due upon registration and must be paid before final enrollment in any class.

Time and Place. All classes meet once a week, either Tuesday afternoon or Saturday morning. Through the courtesy of the Indianapolis Public Schools, these days will be kept as free as possible from teachers' meetings, so that teachers will not be prevented from attending the extension classes. Saturday classes will begin on October 4 and Tuesday classes on October 7.

Registration The hours for registration are Saturday, October 4, 10 to 12 a. m., and Tuesday, October 7, 3:30 to 5:30 p. m., at Room 9, Shortridge High School. Students may register also at the classes which they wish to attend, but wherever possible they are requested to register at the time and place indicated. There is no registration fee apart from the charge made for each course.

Work Required and Credits. All work satisfactorily completed by regular students, unless otherwise stated, is credited by Butler College, and is recognized by other colleges. Thus work in this department counts toward a degree in any institution as fully as work done in residence. The amount of college credit received for each course is indicated under that course, the unit being a major, which means from forty-five to fifty-five hours of classroom work, or thirty exercises of an hour and a half or more each. Each hour of classroom work should require on an average about an hour and a half of preparation. An examination is given at the end of each course.

The Indianapolis Board of School Commissioners accepts work in these courses in lieu of the examinations for assistant principals' and principals' certificates, credit in each major course giving exemption from one of the examinations required.

Those not desiring credit, but wishing to attend the lectures or engage in the work planned by the instructors, may enroll in any of the courses, subject to the consent of the instructor, and need not take examinations.

The courses announced below are in some cases alternatives, those to be given depending upon the number of students desiring and enrolling for each. A student enrolling for a course not given may change or withdraw his enrollment.

FRENCH.

1. **ELEMENTARY COURSE:** The course consists of the study of grammar, composition, and the reading of easy modern French. *Major.*

ASSISTANT PROFESSOR MACCLINTOCK.

ENGLISH.

1. **PRACTICAL PROBLEMS IN THE TEACHING AND STUDY OF ENGLISH:** In this course, emphasis is placed upon the essentials of English expression and style. Time is given to a discussion of correct usage and the elementary principles of English composition. Lectures on the fundamentals of literary criticism are accompanied by appreciative reading of selections from modern English prose writers. Composition planning, the relation of English grammar to expression, and various other topics are considered with a view of increasing the teachers' efficiency and the students' power to read with appreciation. Written composition is incidental to the lectures and classroom discussion. *Major.*

PROFESSOR HOWE AND MR. OTTO.

1. **THE ENGLISH NOVEL:** Study of representative nineteenth century novels with attention to their artistic structure and qualities. *Major.*

PROFESSOR KENYON.

ECONOMICS.

1. **PRINCIPLES OF ECONOMICS:** Following a brief introductory account of the evolution of industrial society, the course will deal with the

conditions and principles underlying the consumption, production, and distribution of wealth. Such questions as the organization of business, money and banking, transportation, international trade and the tariff, labor problems, governmental regulation of industry, socialism, and taxation, will receive as full a consideration as time will permit. *Major.*

PROFESSOR PUTNAM.

HISTORY.

1. AMERICAN HISTORY AND ITS GEOGRAPHICAL CONDITIONS: An effort will be made to gain an adequate understanding of the physiography of the United States with special reference to its effect upon our history. A practical application of the present-day emphasis upon the close connection of history and geography. The course will be based largely upon Ellen Churchill Semple's "American History and Its Geographical Conditions." Lectures, discussions, and one or two field trips to study the physiography of the immediate vicinity with reference to local history. *Major.*

PROFESSOR COLEMAN.

NATURE STUDY.

1. NATURE STUDY: A study of common plants and animals; identification of trees; field study of birds; life history of insects; preparation of aquaria. Hodge's "Nature Study and Life" will be used. The exact amount of college credit given is dependent in part upon the amount of field and laboratory work done. Lectures, laboratory and field work. *Major.*

MISS ROUSSEAU MCCLELLAN.

MUSIC.

1. MUSICAL LITERATURE AND HARMONY: A practical course in chord classification, ear-training, and musical appreciation. While of special interest to teachers in the public schools, the course is open to others. *Major.*
2. ADVANCED MUSICAL LITERATURE AND HARMONY: This is a continuation of course 1, on which it is based. *Major.*

MR. EDWARD B. BIRGE.

COMMENCEMENT RECORD

1913.

DEGREES CONFERRED.

Bachelor of Arts.

BENNETT, ETHEL LOUISE	HOOVER, BEATRICE RACHEL
BRAGG, MARY COFFIN	KASSEBAUM, WILLIAM CLAUDE
BREADHEFT, JESSIE GLADYS	KINCAID, MARTHA MAY
BURKHARDT, HALLY CECIL	MATHEWS, MURRAY
COLLINS, HAZEL LOTUS	MILLIKAN, CLEO GENEVA
FORT, AGNES	SMOCK, FLORENCE LOUISE
GAWNE, KATHARINE	THOMAS, GEORGE CULLEN
HASTINGS, DANIEL ADOLPHUS	TICHENOR, HELEN LOUISE
WEAVER, ELLA JANE	

Master of Arts.

SCHAEFER, HARRY

CATALOG OF STUDENTS

ANNUAL SESSION ENDING JUNE 11, 1914.

GRADUATE STUDENTS.

CHILD, ELMER RAY.....	Bethany, Neb.
CHILD, ELSIE L. (MRS. E. R.).....	Bethany, Neb.
CLIFFORD, EDWARD HALL.....	Indianapolis.
EVANS, EDITH MARGARET.....	Indianapolis.
HAAKE, DOROTHEA ANNA.....	Indianapolis.
HAIGHT, ORAH FRANCES.....	Allegan, Mich.
HARTSOOK, INA.....	Seattle, Wash.
HINMAN, JACK JONES.....	Indianapolis.
LEE, DORA MAE.....	Shelbyville.
MARTINDALE, HARRY HOWARD.....	Indianapolis.
PEARSON, MYRTA MAUD.....	Eureka, Ill.
RICE, MERLE THOMAS (MRS. R. E.).....	Lincoln, Neb.
RICE, RAY EVERETTE.....	Lincoln, Neb.
ROTHERMEL, STERLING G.....	Indianapolis.
TICHENOR, BARCUS.....	Indianapolis.
TRUSTY, CLAY.....	Indianapolis.

UNDERGRADUATE STUDENTS.

ADAMS, GILBERT PERKINS.....	Indianapolis.
ALEXANDER, ELMA INEZ.....	Fountain City.
ALLISON, MARIE VICTORIA.....	Indianapolis.
ANDERSON, JOHN SAMUEL.....	Indianapolis.
APPLEGATE, BONNIE IDA.....	Greensburg.
ARBUCKLE, WILLIAM EDWARD.....	Indianapolis.
ARMSTRONG, RUTH LOUISE.....	Indianapolis.
ASHBY, MARY ALICE.....	Indianapolis.
ASKREN, FLORA MAUDE.....	Cumberland.

BACHMAN, CHARLOTTE.....	Indianapolis.
BAIRD, MONT K.....	Indianapolis.
BAKER, MARY ABIGAIL.....	Indianapolis.
BAKER, EDWARD BRUCE.....	Fort Wayne.
BANES, AMY HENRY.....	Indianapolis.
BARMFUHRER, ALTA ESTELLE.....	Indianapolis.
BARNETT, ISAAC.....	Indianapolis.
BARR, ALBERT KENNETH.....	Indianapolis.
BARR, BETH.....	Indianapolis.
BARR, GAIL.....	Indianapolis.
BARTLETT, MABEL L.....	Chardon, Ohio.
BECK, MARTHA SELMA.....	Indianapolis.
BECKETT, BESSIE EMILY.....	Tipton.
BINZER, EDWARD.....	Indianapolis.
BODENHAFFER, ZOE JUSTINE.....	Kendallville.
BODENSICK, EDWARD HENRY.....	Cumberland.
BONHAM, CARLOS WATKINS.....	Indianapolis.
BONHAM, EARL TERRY.....	Indianapolis.
BOOS, EDA BUEHLER.....	Indianapolis.
BOWEN, HAZEL WEST.....	Indianapolis.
BOWSER, DOROTHY.....	Indianapolis.
BOWSER, GLADYS.....	Indianapolis.
BOYD, CHARLES FREDERICK.....	Indianapolis.
BOYD, MURLIN WELKER.....	Indianapolis.
BRADLEY, EDWARD CLARKE.....	Indianapolis.
BRANDON, MARY JANE.....	West Lafayette.
BRAYTON, RUTH McCULLOUGH.....	Indianapolis.
BREWER, JANE ABIAH.....	Milwaukee, Wis.
BRIDGE, LAWRENCE WILFORD.....	Dayton, Ohio.
BROWDER, NEWTON CLARENCE.....	Indianapolis.
BROWN, ALICE MAY.....	Indianapolis.
BROWN, HILTON ULTIMUS, JR.	Indianapolis.
BRUNER, MURIEL.....	Wabash.
BUCHANAN, HERBERT JACKSON.....	Indianapolis.
BUCK, ROBERT WILLIAM.....	Indianapolis.
BUDD, HARRY F.....	Lebanon.

BURKHARDT, CLARENCE WARE.....	Elwood.
BURKHARDT, HALLY CECIL.....	Indianapolis.
BURNS, RAY LELAND.....	Indianapolis.
BUSSELL, JOHN CHASE.....	Rushville.
CALDWELL, HOWARD CLAY.....	Indianapolis.
CAPIEL, MODESTO PIRKEY.....	Mayaguez, Porto Rico.
CARR, LUCILE.....	Indianapolis.
CARTER, LUCILE ANNA.....	Indianapolis.
CARTER, RUTH BELLE.....	Indianapolis.
CASE, PERRY.....	Indianapolis.
CHOATE, MARGARET ELIZABETH.....	Kokomo.
CLARKE, CLARENCE HUBERT.....	Edinburg.
CLARKE, ELTON RUSSELL.....	Indianapolis.
CLIFFORD, AUSTIN VINCENT.....	Indianapolis.
COLLINS, NATHAN LEONARD.....	Indianapolis.
CONNER, LOLA BLOUNT.....	Indianapolis.
COOK, GEORGE M.....	Mooresville.
COOLEY, WILLIAM ROSCOE.....	Scottsburg.
COOPER, EDITH IRENE.....	Middletown.
CORY, HARMON EMANUEL.....	Indianapolis.
COULSON, OPAL ESTELLA.....	Indianapolis.
CRIPPIN, ALICE MAY.....	Indianapolis.
CROCKETT, MARGARET ELIZABETH.....	Indianapolis.
CULLEN, ALICE.....	Indianapolis.
CULMER, PEARL WINIFRED.....	Indianapolis.
CUNNINGHAM, RUTH ELIZABETH.....	Indianapolis.
CURME, MARJORIE CONVERSE.....	Indianapolis.
CURRY, IDELLE FAIRFIELD.....	Southport.
CUSHMAM, MAME AMELIA.....	Logansport.
CUSTER, MARY JANE.....	Indianapolis.
DAMERON, MRS. IDA JEANS.....	San Francisco, Calif.
DAILY, URITH CATHERINE.....	Greenfield.
DANIELS, ELVIN EARL.....	Kentland.
DANIELS, FRED.....	Tipton.
DAVIS, MARGARET.....	Indianapolis.
DAVIS, VANGIE BREWER.....	Lizton.

DAVISON, FRANK ELON.....	Indianapolis.
DAWSON, MILDRED.....	Andrews.
DEMING, FRANCES MARIAN.....	Indianapolis.
DENT, EUGENIA.....	Indianapolis.
DIETZ, HARRY FREDERIC.....	Indianapolis.
DOOLITTLE, MARY STEPHENS.....	Indianapolis.
DUKE, LELA LUCILE.....	Indianapolis.
DUNCAN, RUTH REBECCA.....	Indianapolis.
DUNN, ALICE LUCILLE.....	Indianapolis.
EDWARDS, WILLIAM HENDERSON.....	Blairgowrie, Scotland.
EICKHOFF, EDITH FREDA.....	Indianapolis.
EIKENBERRY, PAUL.....	Indianapolis.
ELDREDGE, MARION.....	Indianapolis.
ELDRIDGE, EDITH.....	Indianapolis.
ELLIS, CARLETON BLISS.....	Indianapolis.
ERNEST, ELLA.....	Indianapolis.
ESPARZA, DELIA.....	Monterey, Mexico.
EVANS, ELSIE IRENE.....	Indianapolis.
EVANS, JESSIE ELMIRA.....	Indianapolis.
EVANS, WILLIAM HENRY.....	Paris, Ky.
FARMER, EARL STAPHORD, JR.....	Indianapolis.
FELT, MABLE MELSENA.....	Indianapolis.
FERGUSON, CHARLOTTE H.....	Indianapolis.
FIFE, JOSEPH RAY.....	Indianapolis.
FILLMORE, GEORGIA.....	Indianapolis.
FINDLEY, HELEN MARGUERITE.....	Indianapolis.
FINDLEY, KATHARINE IDA.....	Indianapolis.
FINLEY, MARGARET ALMETA.....	Indianapolis.
FISCHHABER, MERLE.....	Brazil.
FOLICK, FRED CHARLES.....	Scottsburg.
FOREMAN, GARNETT MARIE.....	Indianapolis.
FOSDICK, GRACE C.....	Indianapolis.
FRICK, FLORA MARGARET.....	Indianapolis.
FRY, JUNE VIRGINIA.....	Indianapolis.
FULLER, JOHN HECTOR.....	Indianapolis.
GALPIN, CHARLOTTE JOSEPHINE.....	Indianapolis.

GARTON, LULU ETHEL.....	Caney, Kansas.
GAWNE, JEANNETTE WRIGHT.....	Indianapolis.
GEHRING, MARGARET.....	Logansport.
GOOD, JOHN CHARLES.....	Indianapolis.
GOODMAN, LAZURE LESTER.....	Indianapolis.
GORDON, CHARLES CARL.....	Indianapolis.
GRAHAM, FLORENCE OLIVE.....	Indianapolis.
GRAHAM, MARY ELLEN.....	Indianapolis.
GRAVES, ALEATHA LANDSBERRY.....	Thorntown.
GREELY, SUE ELIZABETH.....	Indianapolis.
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GWARTNEY, EDITH ANN.....	Indianapolis.
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HAGGARD, ESTHER MARGARET.....	Indianapolis.
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HAMP, ROBERT JOHANNIS.....	Indianapolis.
HANDY, CLIFFORD WHITE.....	Indianapolis.
HANSON, SAMUEL CARLETON.....	Indianapolis.
HARRIS, ADA BEATRICE.....	Indianapolis.
HARRY, GWYNETH MARY.....	Elwood.
HARVEY, RUTH HELEN.....	Markle.
HASELTINE, FRIEDA PAULINE.....	Kokomo.
HEDGES, ANNETTE JANE.....	Indianapolis.
HENDREN, EDITH.....	Indianapolis.
HENDRIX, ESTELLA MILDRED.....	Tangier.
HERETH, BESSIE.....	Indianapolis.
HERNANDEZ, REEMBERTO ARMANDO.....	Indianapolis.
HIGHAM, ELMO BENTON.....	Milton.
HILLS, DOROTHY.....	Indianapolis.
HOPPER, NANNIE FLICKNER.....	St. Louis, Mo.
HOPPING, ANDREW DANIEL.....	Indianapolis.
HOSS, PAULINE.....	Kokomo.
HOWARD, HELEN.....	Indianapolis.

HOWE, MARY ELIZABETH.....	Indianapolis.
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HUGHEL, MARY LOUISE.....	Indianapolis.
HUGHEL, MYRON MATHIAS.....	Indianapolis.
HUNT, HELEN JACKSON.....	Indianapolis.
HURST, GLADYS HELENE.....	Indianapolis.
HUSTON, ANNA JANE.....	Indianapolis.
HYDE, FANNIE VIOLET.....	Indianapolis.
INGERSOLL, RUTH.....	Graysville.
JACOBS, FRED HARVEY.....	Indianapolis.
JAMES, MARY ELA.....	Indianapolis.
JAMESON, HENRY MICHNER.....	Indianapolis.
JAMESON, KATHARINE MERRILL.....	Indianapolis.
JEFFRIES, LORENE.....	Indianapolis.
JOHNSON, HOWLAND ATKINSON.....	Indianapolis.
JOHNSTON, INEZ VERNETTE.....	Indianapolis.
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JONES, RICHARD.....	Indianapolis.
KARABELL, CHARLES.....	Indianapolis.
KAUTZ, DOROTHY.....	Kokomo.
KAUTZ, JOHN IDEN.....	Indianapolis.
KEELING, HALSEY R.....	Hillsboro.
KEENAN, JAMES HANLAN.....	Indianapolis.
KEITH, FRANCES.....	Indianapolis.
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KENNEY, KATHARINE.....	Indianapolis.
KIRKHOFF, LOUIS NAPOLEON.....	Indianapolis.
KIRKLIN, BYRL RAYMOND.....	Gaston.
KOEHRING, VERA LOUISE.....	Indianapolis.
KOSS, FAY MARGARET.....	Indianapolis.
KRAMER, RAYMOND CHAMBERLIN.....	Indianapolis.
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KUEHNE, JOHN BAPTIST.....	Mt. Healthy, Ohio.
KUQUA, PAULINE COLLINS.....	Indianapolis.
LEACH, HERBERT SALUSUS.....	Indianapolis.

LETT, HARRY FRANKLIN.....	Wheatland.
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LOCKHART, ARTHUR WILLIAM.....	Indianapolis.
LOCHHEAD, MARY EVELYN.....	Indianapolis.
LOCHRY, RALPH LANDIS.....	Franklin.
LONGDON, FRANCIS MORTON.....	Philadelphia, Pa.
LONGSHORE, FRANCES ESTELLE.....	Indianapolis.
LUTZ, JUNA MARIA.....	Indianapolis.
MCBRIDE, JOHN FRANK.....	Indianapolis.
MCBRIDE, MARY SYFERS.....	Indianapolis.
MCCALLUM, CAREY JOSEPH THOMAS.....	Melbourne, Australia.
MCCLAINE, RALPH.....	Indianapolis.
MCCLELLAN, HEZZIE.....	Columbus.
MCCLURE, ROBERT LOCKE.....	Indianapolis.
MCCOLLOUGH, CHARLES EVERETT.....	Fowler.
MCCOY, HARRIET ALLEN.....	Indianapolis.
MCCUNE, HARPER ROBERT.....	Anderson.
MCCUNE, VIRGINIA THROCKMORTON.....	Kokomo.
MCDERMOTT, WILLIAM FRANCIS.....	Indianapolis.
MCGEE, MARY.....	Indianapolis.
MACLEOD, RODERICK ALEXANDER.....	Indianapolis.
McMURRAY, FLOYD IVAN.....	Nineveh.
McROBERTS, EARL SAMUEL.....	Indianapolis.
MALOTT, JOHN ORUS.....	Indianapolis.
MARLETTE, EDNAH MAY.....	Monrovia.
MARTIN, GRACE DONOUGH.....	Indianapolis.
MAUCK, MARY.....	Indianapolis.
MEANS, KARL STONE.....	Indianapolis.
MERKER, MARY SUNSHINE.....	Alexandria.
MILES, RUTH.....	Indianapolis.
MILLER, ADA NAOMI.....	Lawrence.
MILLER, LILLIAN ESTHER.....	Indianapolis.
MILLER, WILLIAM THEODORE.....	Indianapolis.

MOFFETT, FLORENCE BELL.....	Indianapolis.
MOORE, JESSIE ELIZABETH.....	Indianapolis.
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OGBORN, JAMES GLENN.....	Zionsville.
OHAYER, RAYMOND ROUSE.....	Indianapolis.
OIWA, MOTOSABURO.....	Osaka, Japan.
OLDHAM, CLARENCE ELMER.....	Connersville.
OLSEN, EFFIE MAYE.....	Monrovia.
OLSEN, ESTA WILHELMINE.....	Indianapolis.
OSTERMEYER, NORMA CAROLYN.....	Indianapolis.
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PAVEY, JESSE INGLE.....	Indianapolis.
PEACOCK, MARIE LUCY.....	Indianapolis.
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PEARSON, MYRTA MAUD.....	Eureka, Ill.
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PLOENGES, EDWARD.....	Cumberland.
POLLITT, JOSEPHINE MCILVAIN.....	Indianapolis.
POLLITT, NARCIE.....	Indianapolis.
POPE, CAROLINE ELEANOR.....	Mahoba, India.
PRUITT, REXFORD MURRY.....	Indianapolis.
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RAU, LOISE BURKS.....	Indianapolis.

RAY, ELIZABETH.....	Indianapolis.
REED, LAURA ANNA.....	Greenfield.
REED, MILDRED ALBERTA.....	Indianapolis.
REEVES, WILLIAM JACKSON.....	Knightstown.
RIKER, HELEN MARIE.....	Indianapolis.
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RILEY, TRAQUEELIA TURNER.....	Indianapolis.
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ROBERTSON, RUTH ELIZABETH.....	Indianapolis.
ROBISON, BRUCE PETTIBONE.....	Indianapolis.
ROBISON, EDWIN HENRY.....	Indianapolis.
ROBISON, LOIS.....	Greenwood.
ROCHELLE, MARTIN SYLVESTER.....	Wichita, Kan.
RUDICEL, EDWARD.....	Indianapolis.
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RUSSELL, LOUISE HAYS.....	Amarillo, Texas.
SARGENT, JOSEPH WESLEY.....	Cumberland.
SCHERER, MARGERY.....	Indianapolis.
SEGUR, DOROTHY EMMA.....	Indianapolis.
SELICK, FRANK STANLEY.....	Frederickton, P. E. I.
SEWARD, HIRAM BICKER.....	Indianapolis.
SCHAKEL, ELLEANORE CHRISTINE.....	Cumberland.
SHARITT, LUCILE YARLET.....	Indianapolis.
SHERMAN, BEATRICE.....	Indianapolis.
SHIELDS, HUGH.....	Indianapolis.
SHIRLEY, IZONA MAY.....	Indianapolis.
SILVER, XERXES.....	Whitestown.
SISSLE, NOBLE LEE.....	Indianapolis.
SMALL, GRACE OPAL.....	Knightstown.
SOUTHWICK, MARY KINNARD.....	Indianapolis.
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STALCUP, B. FLOYD.....	Hardinsburg.
STAMMEL, ELAVINA SOPHIA.....	Indianapolis.
STEPHENS, FERRIS J.....	Connersville.
STEPHENSON, ELIZABETH FAITH.....	Indianapolis.

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STONE, IRMA.....	Dillon, Montana.
STORMS, ROY BASIL.....	Indianapolis.
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SWEET, ELMA FERN.....	Delphi.
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THARP, RUTH.....	Indianapolis.
THOMAS, GRACE EDITH.....	Indianapolis.
THOMAS, MINNEHAHA.....	Indianapolis.
THORMYER, CLARA BARBARA.....	Indianapolis.
THORNTON, CORNELIA.....	Indianapolis.
TIPTON, HELEN ELIZABETH.....	Indianapolis.
TOON, CLARENCE.....	Indianapolis.
TOWNSEND, ROY WESTEN.....	Anderson.
TOWNSEND, RUTH MARGARET.....	Indianapolis.
TREAT, ISABEL GLEN.....	Indianapolis.
TRONE, DONALDSON GREENE.....	Indianapolis.
TRUSTY, CLAY.....	Indianapolis.
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ULEN, MARGUERITE.....	Indianapolis.
VAN ARSDELL, ROBETTA.....	Indianapolis.
VANCE, CHARLES H.....	Bridgeport.
VANDERWARK, ELOYD.....	Ft. Collins, Col.
VANDIVIER, DESSA MARGARET.....	Indianapolis.
VAN WINKLE, CARL.....	Indianapolis.
VAWTER, ELIZABETH.....	Indianapolis.
VOSHELL, BERNICE STALDER.....	Indianapolis.
WADSWORTH, WALLACE CARTER.....	Indianapolis.
WAGSTAFF, BYFORD ERNEST.....	Brownstown.
WERNBERG, HENRY.....	Indianapolis.
WILLING, LOLA LYDIA.....	Pennville.

WARD, PAUL WILLIAM.....	Lebanon.
WARREN, HAZEL BEATRICE.....	Indianapolis.
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WISE, VERL ARTHUR.....	Indianapolis.
WITHERSPOON, FREDERICK RANDOLPH.....	Indianapolis.
WOLF, ELIZABETH PAULINE.....	Indianapolis.
WOLF, PEARL REBECCA.....	Indianapolis.
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ZOERCHER, MARY ANNA.....	Indianapolis.

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